

MINING journal VOL. 314

AND

MINING magazine VOL. 162

INDEX

1990

JANUARY-JUNE

CONTENTS

Metals and Minerals	Page 1
Countries	Page 4
Methods and Machines	Page 7
Companies and Other Public Bodies	Page 10

INDEX CLASSIFICATION

A	Article	M	Methods and Machines	O	Obituaries
E	Editorial	ME	Company Meetings	P	Panorama
H	Highlights	MF	Mining Finance	R	Book Reviews
IA	Industry in Action	MW	Mining Week	S	Metal Markets
L	Letters	N	Notes and Comments		

This combined index covers the complete editorial content of both Mining Journal and Mining Magazine. Additional copies may be obtained from the Subscription Department.

Metals and Minerals

ALUMINIUM

Alcan reprocesses dross	IA	J005
Greek alumina stalemate	IA	J045
New base metal/low	S	J052
Comex aluminium under review	S	J092
LME slide	S	J093
Jamaica's alumina expansion plans	MW	J102
Tomago expansion project	IA	J127
Loan for Albas	IA	J127
Bi-weekly stock figures for LME aluminium?	S	J136
Aluminium to break the bear trend?	S	J158
Missouri smelter pact for Noranda	IA	J191
1990 exports for Aluminij	IA	J191
Aluminium and tin adrift	S	J219
Iraqi contract for French group	IA	J229
European aluminium record	S	J241
Smelter moves	S	J241
Major expansion for Hindalco	IA	J249
Reduced output at National	IA	J250
Aluminium	IA	J250
A favourable decade for aluminium	S	J256
Zinc price recovery	S	J280
Greek alumina project stirs	IA	J294
Aluminium stocks leap	S	J304
Venezuelan smelter	MW	J313
Brazilian aluminium	S	J324
unsustained LME	S	J343
Aluminium caution	IA	J354
Aluminium in Brazil	IA	J379
Tatabaya modernizes	IA	J379
Aluminium expansion in Iran	IA	J434
Ormet in smelter talks	S	J441
Encouragement for aluminium supply deficits for	S	J441
Aluminium and lead?	S	J441
Too early for Japanese aluminium futures	S	J441
Japanese aluminium battle for can market	S	J460
Aluminium: European optimism	S	J461
Improved results for Greek alumina	IA	J493
Brazilian Al output	IA	J495
Castable composites for Alcan	S	J501
Aluminium smelter cuts output	IA	J515

ANTIMONY

Minor metals in December	S	J012
Minor metals in January	S	J113
Minor metals in February	S	J203
Vinto antimony resumption	IA	J272
March trade in minor metals	S	J305
April minor metals trade	S	J361
Minor metals in May	S	J442

ARSENIC

Minor metals in December	S	J012
Ten-year high for arsenic	S	J071
Minor metals in January	S	J113
Minor metals in February	S	J203
March trade in minor metals	S	J305
April minor metals trade	S	J361
Minor metals in May	S	J442

ASBESTOS

McDane in progress	IA	J474
--------------------	----	------

BARITE

Underground barite mining at Ballynec	P	M006
---------------------------------------	---	------

BAUXITE

Jamaican bauxite/alumina	IA	J027
MRN bauxite record	MW	J082
Suriname: short of target	IA	J151
Ghanian bauxite to Cuba	IA	J214
Brazilian bauxite target	IA	J417
Jamaican bauxite increase	IA	J433
Alcoa shuts last U.S. bauxite mine	IA	J454
Bauxite directory	S	J481
Moengo in cross fire	IA	J495
Dominican bauxite resumption mooted	IA	J514

BENTONITE

Bentonite in Iraq	IA	J170
-------------------	----	------

BISMUTH

Minor metals in December	S	J012
Minor metals in January	S	J113
Minor metals in February	S	J203
March trade in minor metals	S	J305
Minor metals in May	S	J442

CADMIUM

Minor metals in December	S	J012
Minor metals in January	S	J113
Minor metals in February	S	J203
March trade in minor metals	S	J305
April minor metals trade	S	J361
Cadmium expansion	S	J387
Minor metals in May	S	J442
New peak for cadmium	S	J524

CHROME

Range Well options	IA	J084
Philippines chromite	MW	J227
Ferrochrome downturn	S	J325
Samancor completes expansion	S	J325
April minor metals trade	S	J361
Chrome venture in Turkey	IA	J378
Chinese chromite mine under construction	IA	J417
Hydro problems in Albania	IA	J418
Minor metals in May	S	J442
Purity chrome gearing up	IA	J492

COAL

Coal producer fulfile target	IA	J006
New coal mine in South Anhui	IA	J006
East German coal problems	IA	J007
Yugoslav coal update	IA	J027
Polish coal conundrum	IA	J047
U.K. coal's new era	MW	J059
British Coal's vital ingredient	MW	J082
British Coal cuts	IA	J085
Morocco: 1989 coal imports	IA	J086
Double million	MW	J102
Coal inquiry	MW	J103
Narane venture for Castein/ROC	IA	J105
Coal trade record	MW	J123
Vietnamese stirrings	MW	J146

Wentstar's 7 Mt/y Balmer coal mine	P	M086
Polish coal efforts	MW	J106
Welsh flooding	IA	J170
Polish reform	MW	J210
East German lignite co-operation	MW	J210
South Blackwater expansion	IA	J212
Funds for Mongolian coalfield	IA	J213
Spanish coal harvest	IA	J213
Coal conversion	IA	J214
Energy to burn	N	J216
Pit closures expected in West Germany	IA	J231
Indonesian coal terminal	MW	J245
P.R.O. coal	MW	J245
Moisture agreement with R.S.A.	IA	J350
Coal pillar reclamation in built-up areas	P	M162
Swedish group to supply coal slurry fuel plant	P	M163
The mine that will be a road	P	M163
Pipeline studies for Canadian coal	P	M184
Ontario Hydro foresees limited role for coal	P	M185
A mine fire isolated at a distance	A	M206
Greer coal	MW	J270
Breathing space for Australian coal	N	J277
Lighting dredging in Yugoslavia	IA	J395
Kreka faces insolvency	IA	J396
Jungar update	IA	J318
Vietnam: coal expansion	IA	J337
Bungarian coal	MW	J351
New coal loading complex in U.S.S.R.	IA	J354
Poland: coking plant to shut	IA	J354
Indonesia's ERVINOAL	MW	J374
E.C. limits on Spanish coal	MW	J375
Qinhuangdao coal port	IA	J397
German coal dissent	IA	J400
U.K. coal threat	MW	J413
Indian coking imports	IA	J418
Colombian coal worries eased	MW	J429
BP in U.S. coal sale	MW	J429
Indian coal outlay	IA	J454
Steam coal shipping markets buoyant	MW	J491
Kirk contract to Miller	IA	J493
U.K. coal talks	IA	J493

Coal contract for Colowyo IA J493
 Coal output lifted IA J495
 China - coal statistics NW J511
 Coal in Peru IA J513
 Sasol coal expansion IA J513
 Hunter Valley bridge IA J514
 Lower output from Usutu IA J514
 Nigerian coal A M466

COBALT

Minor metals in December S J012
 French investment in Uganda IA J105
 Minor metals in January S J113
 Minor metals in February S J203
 Cobalt climbs S J257
 March trade in minor metals S J205
 April minor metals trade S J361

COPPER

Elbasan - electrolytic Cu plant IA J004
 Kibona Lake reserves IA J024
 Brazilian copper wire IA J025
 Nagma discontinues copper rod IA J026
 Copper decision S J034
 Mint seeks copper S J034
 New base metal price schedule S J035
 Construction starts at Oracle Ridge IA J061
 Cheasy pact confirmed IA J061
 Green light for MacArthur IA J061
 Copper output down in Poland IA J063
 Copper optimism S J070
 Solvent extraction of copper - a perspective A M026
 Copper project for NG IA J085
 Falconbridge: Kidd Creek hiccup IA J129
 Nagma/Cyprus smelting pact copper operation S J093
 Construction pact for Mitsubishi IA J105
 Zambian shipments IA J129
 Copper overcapacity may thwart price recovery S J126
 Merry Widow negotiations IA J148
 Morenci expansion on schedule IA J151
 Encouragement for copper Renaissance to expand Utah copper operation P M085
 Bidjovage - gold/copper mining in Northern Norway A M100
 Lara drilling assessment IA J169
 Revised Salsda project IA J170
 Port Kaimba redevelopment IA J213
 Metals prices mixed S J215
 Nagma's Superior option NW J228
 Copper search in South Australia IA J248
 Mozambique: copper/steel IA J250
 U.S. copper optimism S J256
 Floor contract NW J269
 Escondido: early schedule IA J273
 Financing for Oracle Ridge IA J273
 Chuquibambilla forecast IA J273
 Zinc price recovery S J280
 Diversification in Yugoslavia IA J296
 Omai private company? IA J296
 Copper - more of the same? S J304
 Copper deposits in Tibet IA J318
 Good progress at Rotheys IA J317
 Copper ignores SPC move IA J332
 Tyrore expansion proposal S J342
 Rapid recovery for copper S J342
 Dexing copper mine A M367
 ERM in Iberian search IA J352
 Copper stocks surprise S J360
 Salsda project IA J380
 LME moves on copper S J386
 Chile copper details NW J394
 Tazara copper shipments fall IA J399
 Little leeway for copper S J407
 Zaire copper prospects dull IA J417
 Copper waits on U.S. labour talks S J424
 Global approach to copper promotion S J425
 IWCC concern at LME volatility S J425
 Thalanga official opening NW J429
 Goldbelt plans bacterist leaching at Victoria IA J432
 Andacollo rumbles on IA J433
 Copper underestimated NW J433
 Copper markets watch Zaire and U.S. S J461
 China accord pressures copper NW J469
 Mantos Blancos sale NW J469
 Gray Eagle study positive IA J472
 Simlao mine report IA J473
 Bright future for electrometallurgy NW J480
 Copper prospect for Rea IA J513
 Smelter agreement for Oracle Ridge IA J513
 Summer lull for base metals? S J524

DIAMONDS

Diamond sales fall NW J022
 Diamond control in Angola S J053
 Diamond pact in Angola IA J084
 Kimberlite search for Crystal/Dow IA J084
 Diamond exploration in Saskatchewan P M086
 Claude/Celtic in diamond venture IA J108

Lake Superior diamond search IA J228
 Diamond plant in Malaysia IA J230
 Botswana beats target IA J230
 Diamond price increase S J241
 Diamond update for Acara IA J273
 Crystal: drilling finds kimberlite IA J293
 Heavy metal separation at Copeton IA J294
 Soviet diamond discovery IA J332
 Diamond recovery at Copeton IA J332
 Sri Lanka diamonds industry IA J337
 Argyle ten years on NW J394
 Botswana - new diamond venture NW J471
 Encouragement for diamonds S J481
 Soviet diamond deposit IA J492
 Most expensive pink IA J515

FLUORSPAR

Zambian fluorospar project IA J105

GEMSTONES

Emerald auction IA J170
 Monster opal IA J396

GERMANIUM

Minor metals in May S J442

GOLD AUSTRALIA

Rotheys output for Metana IA J005
 Boddington share for BHP IA J008
 Telfer proposal IA J008
 Forsyth joins Bellevue mine IA J025
 First gold output at Grassy Smith IA J046
 Julia farms into Brandy Hill IA J080
 Ballarat: shales but not inferred IA J084
 Underground at Goongahrie IA J126
 Grassy Smith at full IA J170
 The Peak application IA J212
 Bounty Mine's quarter IA J231
 Australia's port Morteau Continuity of results at Banookburn IA J273
 Mount Leyshon expands CIP IA J273
 Dragons/Forsyth joint IA J332
 Tick Hill lease application IA J335
 Boddington reserves IA J353
 Increased Grassy Smith dedication IA J379
 Barricost start/Burtville IA J397
 Paragon optimism IA J399
 Last pour at Perth IA J417
 German West timetable IA J453
 U.S. copper programme IA J472
 Mount McClure fast track IA J472
 Banookburn purchase IA J492
 Double a gold for Ivernia IA J493
 Big bell modification IA J493
 Historic gold mine reopens P M401

GOLD CANADA

Skyline improvements IA J026
 Queenston/Noranda venture IA J044
 Winter drilling at Ivanhoe IA J044
 Study approved for Preview Lake IA J044
 Inco/Golden Knight at Casa Berardi IA J084
 Meadbank work for Lucky Eagle IA J104
 Hisslop deal IA J104
 Other ventures for Equinox IA J104
 New gold find on Douay property IA J124
 Funds for Spud Valley IA J124
 Preview Lake work resumes IA J124
 Good results from Francoeur IA J126
 Mt. William feasibility IA J127
 Douay court action NW J165
 Mist Lake drilling resumes IA J168
 New pact at Doyon IA J191
 New life for Upper Beaver mine? IA J212
 Hisslop work for Stroud IA J212
 The Elaky Creek discovery A M172
 Fontana excitement IA J272
 Rendell-Jackson venture IA J272
 Jasper gold anticipated IA J272
 Pilot plant for Granada IA J293
 Funding for GIM's Ikut properties IA J316
 International Focus/Sheba JV IA J316
 Cathedral Brunson Creek stake IA J316
 Douay update IA J316
 U.S. claims purchase for U.S. Major General IA J332
 IUTAL agreements in Canada IA J332
 Bellchase partners for Golden hope IA J332
 Blackdown unpredictability IA J352
 Underground at Cochenour-Williams IA J376
 Colomac's first gold awaited IA J379
 Detour Lake strike IA J379
 Ekay fortune continues IA J416

Seabee given thumbs up IA J417
 Placer's gold boost IA J417
 Efficient underground gold mining in S.C. P M324
 Eskay Creek update IA J433
 U.S. opposition to Windy Craggy IA J432
 High grade shoot at Porcher Island IA J432
 Option on Tahla Rainbow IA J452
 Bachelor/Hecia in Lesueur IA J452
 Ren expenditure IA J452
 Colomac gold pour IA J454
 Dorothy drilling IA J472
 Eagle River testing IA J492
 Drilling targets for Queenston IA J492
 Elizabeth interest for Blackdown IA J513
 Funding for Frasergold IA J513
 Gold property IA J513
 Ikut drilling for Prime and partners IA J513

GOLD SOUTH AFRICA

Second innings for South Africa? MF J036
 Margit narrows for S.A. gold producers MF J073
 South African gold ends lower IA J086
 Interest intensifies at Potch Gap IA J316
 South African gold gloom NW J373
 Gold output in S.A. IA J433
 Loraine cutback IA J474

GOLD U.S.A.

Robinson mine litigation settled IA J025
 Brune update for Miramar IA J044
 Long Valley moves ahead IA J044
 Programme for Paradise Peak IA J045
 Mine permitting at Stone Cabin IA J045
 Arizona venture for Gold Vessel IA J045
 Elder Creek on stream IA J046
 Piedmont increase IA J047
 Rainbow Hill search IA J060
 Banner update IA J061
 Mother Lode at full speed IA J063
 Mine commissioning at Tonkin Springs IA J063
 Tennessee increases gold exposure IA J085
 Trout Creek programme IA J104
 Other ventures for Equinox IA J104
 Kettle poura gold NW J121
 Partner for Ester Dome property IA J124
 Cross funding from Gwalia IA J124
 Fairbanks assessment IA J126
 Echo Bay cutback NW J145
 Partner for Dayton's Pyramid project IA J148
 New find at Jerritt Canyon IA J148
 Funding agreement for IA J148
 Shaglin IA J151
 New crusher at American Girl Coral Gold/Amex agreement IA J168
 Grouse Creek programme IA J168
 Kensington feasibility study IA J190
 Briggs assessment IA J190
 Ivanhoe construction start IA J190
 Increased gold reserves for Amex IA J191
 Eastmaque/Pikes Peak venture IA J212
 Funds for Rainbow Hill IA J212
 Go-ahead for Zenda construction IA J248
 Deep drift for Homestake IA J249
 Micron gold testing IA J250
 Mother Lode resolves hiccup IA J273
 Laughlin celebration IA J293
 Crown Jewel results IA J293
 Robertson joint venture: drill result IA J333
 Bacterial oxidation at Tonkin Springs IA J335
 Mt Chase/Hope Butte agreement IA J352
 Randburg option from DRX IA J352
 Harshula project expanded IA J353
 Alligator Ridge purchase for U.S. IA J354
 Jessie Page venture for Chevron/WK IA J376
 Mission land for North Lily Nevada gold/copper option for Gwalia IA J398
 Grassy Mountain go-ahead IA J398
 Kingsley option declined IA J397
 Butte Mining plc's operations in Montana A M330
 State claims IA J452
 Pacific Sentinel at Golden West IA J452
 Rosebud drilling/AMAX IA J452
 Venture IA J472
 Black Pine purchase IA J473
 Valdez Creek miners IA J473
 Rainbow Hill drilling underway IA J492
 Forecast doubled at Rabbit Creek IA J492
 Satellite feed for Gold Bar Mine IA J493
 Piedmont expands reserve base IA J493

GOLD OTHER

Eviction begins NW J002
 Gold recycling in Venezuela IA J005
 Nookhina refinery on stream IA J006
 Bacterial oxidation at Sao Bento IA J006
 Gold's supply prospects NW J013
 Gold correction NW J013
 Brazilian reversal NW J021
 Refugio assessment IA J024
 Huemul revival? IA J025
 Taiwan's gold imports slump S J035
 Saudi licensing IA J044
 Kelian upgraded NW J057
 Highlands Gold widens P.N.G. stake IA J061
 San Cristobal review for Muigial IA J081
 IFC loan for Bogosu/Wahome IA J063
 Gold rebounds S J071
 Report on Au and Pt mineralization P M009
 Porgera progress NW J081
 Bohemian gold study IA J084
 Divulsi work for Cultus Japanese jackpot IA J085
 Gold - a Soviet staple NW J089
 Huge gold fraud in Japan S J112
 Private gold investment surges NW J123
 Onal dates IA J129
 China: Kiencheng expansion IA J129
 Gold lacks enthusiasm S J138
 Golden targets NW J146
 Bidjovage - gold/copper mining in Northern Norway A M100
 Forgera progress IA J169
 Japanese equities fall hits precious metals S J177
 Prospects available on Espiritu Santo IA J190
 Po River pilot plant IA J191
 Golden acquisitions NW J211
 Tyrore gold quest IA J212
 Metals prices mixed S J218
 Niaproc award NW J238
 Coal cellar hoard IA J231
 Gold lacks support S J241
 Gold - act of faith NW J245
 Indian gold repeal IA J249
 Avino investment pays off IA J249
 Massive sale rocks gold S J257
 Andacollo: option on MSR IA J272
 Cononish environmental study IA J272
 Capel gold fund S J281
 Black Cliffs/Lyon Lake in Costa Rica IA J293
 Chinese hint IA J296
 Boston Show NW J315
 Gold activity in Majdanpek IA J317
 Andacollo reserves estimate IA J332
 Aneka Tambang: fall in gold exports IA J335
 Tanzania: gold buying scheme NW J335
 Kankberg goes electric A M352
 Andaman/Glencar update IA J353
 Pessimism for precious metals S J360
 New partner sought for Omai project IA J376
 P.T.O. find for Uruguay IA J379
 Gold's limitations S J386
 Turkish delight IA J386
 Gold drops NW J413
 Cominco strikes gold in Turkey IA J416
 Andaman and Billiton in Spanish gold venture IA J416
 Ghana: EIA for Ashanti IA J417
 Soviet gold gloom IA J417
 The gold loss industry NW J422
 Precious metals in Portugal A M340
 The Syama gold mine project, Mali A M346
 Refugio round-up IA J432
 Po River plant on route IA J433
 Plateau results in Ecuador IA J433
 Alluvial project for U.S. IA J454
 Delayed action for gold S J460
 Navachab inauguration NW J470
 Indian concerns IA J471
 U.S. investment in Tanzania IA J472
 Jena investigation IA J473
 Namibian official IA J475
 Cam dumps retreatment problems IA J475
 Gold lurches lower S J480
 Kankberg optimist NW J418
 U.S. find in Peru IA J492
 Metals prices wobble S J500
 Gold review S J501
 Saudi sales denial NW J509
 Soviet Union joining in Merchants of Venice NW J510
 Kinsigne hurting IA J514
 IFC's \$3 million stake in new gold mine P M400
 Gold production and projects P M402

GRAPHITE

New mill for Stratmin IA J296

GYPSUM

Gypsum study in Ireland IA J248
 Custom-built drill rig meet targets at Birkhead gypsum A M190

ILMENITE

Sand contains heavy minerals	IA	J006
Coastal expansion	WA	J206
Brazilian beach sands	WA	J315
Coastal beach sands	P	M236
Drugs: operational		
Congolone heavy mineral	P	M210
sands: project		

INDIUM

Minor metals in December	S	J013
Minor metals in February	S	J202
April minor metals trade	S	J361
Bright future for indium	S	J382

IODINE

New challenge: from Chile?	WA	J185
Volcanic: higher grades nearby	IA	J378

IRON & STEEL

New Brazilian iron ore mine	WA	J002
Iron ore in Pakistan	IA	J004
Rimba representation	IA	J004
Improvement for Mauritania	IA	J027
Costed steel seminar	S	J053
Japanese steel record	WA	J056
Iron ore project for Celtic	IA	J060
Samarco replaces iron ore capacity	IA	J063
Australian iron ore - Japanese steel mills pay more	S	J071
Hipapan set to expand iron ore output	P	M009
Chinese steel opportunities	S	J093
Record iron ore exports from Brazil	WA	J122
Iran Iron and Steel investments	IA	J127
Baton output	IA	J149
Steel plant in Bangkok	IA	J170
CVRD rejects Japanese ore price offer	S	J177
Steel output in Latin America	IA	J213
Magne-site expansion plan for Dorval	IA	J213
Steel privatization in Mexico	IA	J214
E.C. steel strategy	WA	J226
Taiwan steel partnership	IA	J229
Roof collapses at Seneca works	IA	J229
Siderbras break-up approved	WA	J280
Lesin no more	IA	J296
Production starts at Skopje	IA	J318
Musan Mining complex	IA	J318
Iron and steel plans	IA	J318
Japanese steel optimism	S	J325
ZISCO's survival?	IA	J335
Iron and steel in Hungary	IA	J354
Colmar's iron hand	WA	J373
Steel markets weaken	S	J387
Chinese steel bonds	IA	J416
New Indian steel plant	IA	J433
China exceeds steel target	IA	J433
Baohan contracts	IA	J434
Green light for Yandi iron ore	IA	J453
Chanar dedication	IA	J474
Liberia: iron ore in rebel hands	IA	J474
Alegria mine proposal for Namurco	IA	J492
Kiruna ore to Arbed	IA	J493
LAAB: a century of success	A	M118

KAOLIN

Kaolin deposit in Shaanxi	IA	J004
CPM tender suspended	IA	J006
Brazilian kaolin project	IA	J084
Kaolin in Brazil	IA	J473

LEAD

Lead responds	S	J034
Lead disregard	S	J070
Lowther Mills lead mining heritage trail	P	M009
Asnalcollar	A	M020
Najar programme	IA	J085
Improvement at Brunswick	IA	J106
Shortage severity scaled down	IA	J151
Supply worries lift lead	S	J160
Bolivian smelter development	WA	J167
Supply worries spur lead	S	J176
Pakistan: Geological Survey finds	IA	J190
Cutback in Bulgaria	IA	J191
Lead noose to ten-year high as squeeze intensifies	S	J201
Lead concerns	WA	J209
Van Stone option extended	IA	J212
Nempito for lead	S	J240
Chevron/Iberia pact in Ireland	IA	J248
U.S.A. lead tax	IA	J251
Lead brakes as stocks leap	S	J257
Lead-zinc developments	IA	J293
Discovery hole for Iberia/ Chevron	IA	J332
The Bog Mine	A	M269
Hilton heralds Mt Isa renewal	WA	J393

Redemption at Port Venere	IA	J433
Supply deficits for aluminum and lead	S	J441
Mixed views on lead	S	J461
Revealing agreement for Mt	IA	J476
Bergelun back on line	IA	J476
Lead/zinc statistics	S	J520

LITHIUM

Solar de Uyuni project	IA	J005
Lithium expansion for Cyprus	IA	J063
Bolivian delays - tin and lithium	IA	J170
Bolivian protest	IA	J352
Lithium suspension	IA	J389

MAGNESITE

Magnesite project underway in Queensland	P	M240
--	---	------

MANGANESE

Manganese	A	M036
Manganese in Ghana	IA	J106
Rugarian manganese for Eiken	S	J177

MARBLE

Macal opencast mines meet rising demand for marble	P	M401
--	---	------

MERCURY

Minor metals in December	S	J013
Minor metals in January	S	J113
Minor metals in February	S	J303
Runkill reports	S	J305
Mercur trade in minor metals	S	J305
April minor metals trade	S	J361
Minor metals in May	S	J442

MICA

Mica discovery in Irian Jaya	IA	J492
------------------------------	----	------

MOLYBDENUM

Quartz Hill warning	WA	J471
Molybdenum: Codelec shortfall	S	J480

NICKEL

Stock jump hits nickel	S	J013
Musali nickel study	IA	J024
Falcondo's furnace problem	IA	J025
Nickel adjustment for Indonesia	IA	J027
Nickel totters	S	J034
New base metal lows	S	J052
Inco trim output as nickel slide continues	S	J070
Nickel cutbacks fail to stem price decline	S	J083
Japanese buying arrears nickel slide	S	J137
Cost cutting at Inco	IA	J140
Nickel surprise	S	J201
Metals prices mixed	S	J216
Nickel boost for PT Inco	WA	J225
Defiance re-examines Carr		
Boyd Ni mine	IA	J228
Cuban nickel output	IA	J231
More optimism for nickel	S	J240
Nickel demand improves	S	J257
Pacific nickel	WA	J314
Utkomst examined	IA	J317
Nickel-cobalt plant in Albania	IA	J318
Rumbeas at Potgietersrus	IA	J352
Mount Keith progress	IA	J353
Stocks surge hits nickel	S	J407
Western Mining probes salt lake	IA	J416
Dominion awaits nickel study	IA	J416
Soviet metals development	IA	J418
Nickel well balanced	S	J424
Sherrill Gordon shortage	S	J425
Nickel drop for Bindura	IA	J433
PT Inco output revised	S	J480
Metals prices wobble	S	J500
Nickel set to shine	S	J500
Strike hits French sales	S	J500
Mount Keith financing	IA	J514

NIOBIUM

Brazil strengthens niobium grip	WA	J145
---------------------------------	----	------

NITRATE

Taltal joint venture: a new nitrate and iodine project	P	M238
--	---	------

OIL

Oil shale project in Yugoslavia	IA	J004
---------------------------------	----	------

PALLADIUM

Stillwater changes	IA	J396
Japan prefers Soviet palladium	S	J501

PHOSPHATE

Phosphate increase in Senegal	IA	J105
Syrian phosphate exports	IA	J128
Jordanian phosphate: Iran	IA	J228

PLATINUM

Crocodile River official	IA	J006
Platinum slide	S	J013
Impala and Lonrho platinum merger	WA	J041
Platinum profile	WA	J043
Green light for platinum	S	J112
Platinum responds	S	J136
Platinum's green mantle	N	J156
Chequ/Campallia update	IA	J168
Japanese equities fall hits precious metals	S	J177
Soviet platinum for Kymex?	S	J201
PGMs at Birch Lake	IA	J248
Pl search on Molopo Farms	IA	J352
Platinum pauses for breath	S	J406
Precious metals in Portugal	A	M340
Developments at Stillwater	P	M40C
Pt/Pd mine, Montana		

POTASH

D.P.R.K. fertilizer complex	IA	J378
Spanish potash	IA	J400
New company for Thai potash project	WA	J465

RARE EARTHS

Rare earths find in India	IA	J024
Pinjara halt	WA	J041
Rare earths venture in Brazil	IA	J353
Mount Weld miners	IA	J376

RHODIUM

New rhodium surge	S	J035
New rhodium record	S	J407
New rhodium record	WA	J469
U.S. to stockpile rhodium	S	J481
Rhodium maintains bull run	S	J525

RUTILE

Pioneer agrees mineral sands sale	WA	J001
Sierra Rutile record	IA	J171
Newbury dredging starts	IA	J378

SELENIUM

March trade in minor metals	S	J305
-----------------------------	---	------

SILICON

New Egyptian furnace	IA	J310
Silicon	A	M350

SILVER

Silver sickness	S	J013
Financing advances Midway project	IA	J025
Centromin strike boosts silver	S	J071
Aviso boss out of Nevada	IA	J104
Mexican sale of Pachuca	IA	J171
Candelaria milestone	IA	J191
Metals prices mixed	S	J216
Silver - April launch for Australian Kookaburra	S	J241
Bolivian tailings for Pan Andean	IA	J333
No joy for silver	S	J342
Pessimism for precious metals	S	J360
Silver find on Sado Island	IA	J396
Snapshots succour silver	S	J441
Some solace for silver	S	J524

SODA ASH

Sua Pan soda ash project moves towards production	P	M390
---	---	------

SULPHUR

Sulphur exporting facilities in U.S.S.R.	IA	J514
--	----	------

TALC

Planning for Shetlands talc	IA	J126
-----------------------------	----	------

TANTALUM

Pan West tantalum dedicated	IA	J170
-----------------------------	----	------

TIN

Payment for ITC creditors	WA	J001
Carnon Holdings tightens belt	IA	J026
ATV considers export cuts	S	J034
Brazil holds tin key	WA	J041
New base metal lows	S	J052
Tin closure for Parapanama	IA	J063
No respite for tin	S	J092
Tin quota cut not enough	S	J112
Gevoir closure	WA	J146
Malaysian struggle	WA	J146
Brazil's tin output soars	WA	J147
Cutback in Cornish tin mining	P	M089
Bolivian delays - tin and lithium	IA	J170
U.K. tin and then there was tin	IA	J213
Aluminium and tin adrift	S	J216
Tin creditors paid	WA	J269
Brazil tin quota	S	J281
Neves-Corvo tin inauguration	WA	J289
Tin surge in Brazil	S	J324
Thailand extends tin tax concessions	S	J325
Underground work at Khingon	IA	J333
Cornish tin: mines close, tourist trail to open	P	M240
Tin beneficiation in northeast Brazil	A	M260
Happier future for Rom Futuro?	WA	J395
MNC expands exploration	IA	J396
Tin's statistical shortfall	S	J423
Neves-Corvo tin begins U.S. to resume public tin sale	WA	J451
U.S. stick on Sn stockpile sale	S	J460
Offshore Burmese tin	IA	J475
	IA	J493

TITANIUM

Titanium expansion for Du Pont	IA	J085
Plans for Kerr-McGraw/CVRD	IA	J085
Tobu Titanium expansion	IA	J107
Ceramics demand to surge	S	J137
Titanium demand easing	S	J343
Wimmers resources expanded	IA	J352
Baird group plans titanium plant	IA	J353
Titanium project in Brazil	IA	J378
Corona in Carolina titanium venture	IA	J396
TiO ₂ plant on stream	IA	J475

TUNGSTEN

Cantung plant closure	S	J083
Runkill reports	S	J219
Tungsten symposium	S	J387

URANIUM

Pakistan's U ₃₀₈ mine closed	IA	J026
Uranium pact with Kennecott	IA	J060
Uranium slump hits producers	WA	J081
Uranium hit by uranium slump	IA	J149
Traumatic year for uranium	S	J176
Uranium for South Korea	S	J201
French closure mooted	IA	J213
Uranium - the Soviet challenge	N	J340
Cogema's western uranium mines soon to close	P	M325
McArthur River uranium find	IA	J432
Crow Butte go-ahead	IA	J453
East German uranium enters the market	S	J461
Uranium production	N	J499

VANADIUM

Vanadium - feast or famine?	N	J050
FMA hopes for Murchison	IA	J124
Vanadium prospect	S	J137

YTTRIUM

Yttrium values at Mount Weld	IA	J432
------------------------------	----	------

ZEOLITE

Birac expands zeolite output	IA	J286
------------------------------	----	------

ZINC

Drilling results for RRC	IA	J024
Poirier investigation for Bonanza	IA	J024
Van Stone feasibility	IA	J025
Zinc sluggish	S	J035
Galmoy boost	WA	J042
New base metal lows	S	J052
Moble Peak assesses Crypto property	IA	J060
Tache results for Bitech	IA	J060
Zinc pressure lease plant underway	P	M008
Zinc stocks plunge	S	J092
Van Stone decision pending	IA	J104

Suddies on schedule IA J105
 Normal/Noranda agreement IA J105
 Expansion at Bunker Hill IA J108
 Caribou mine resumption IA J127
 Zinc advance checked S J137
 Treleborg/Boliden in West Africa IA J148
 Thalanga update IA J169
 Galmoy target raised IA J180
 Metals price mixed S J218
 Pond Oreille assessment IA J228
 Eagle Lake work for Tech IA J248
 Underground drilling at Blue Moon IA J248

Partner found for Isacavrus IA J249
 Eastland/Tinor venture in Spain IA J249
 Zinc strength concern S J257
 Zinc price recovery S J280
 Great W. reserve update IA J292
 Polior results for Bonanza IA J316
 Isacavrus rebound IA J317
 Asturias round-up IA J318
 High grade results at Daniel's Pond IA J332
 Van Stone option exercised IA J335
 Kidd Creek roaster repair IA J337
 Zinc strikes on S J342

Dugald River find IA J352
 Suddies almost there IA J353
 Strike threat buoys zinc S J360
 Part way for Thalanga IA J378
 Rally for zinc S J387
 Butte reserve increase IA J416
 Mitsui to lift zinc output IA J417
 Zinc recovery forecast S J424
 U.S. Mint tender for zinc S J425
 Cerro Castillo plans to expand Mine Angela P W321
 Final feasibility for Galmoy IW J430
 Ward mine/Taylor mill IA J474
 Zinc - Japanese demand S J524

Summer lull for base metals? S J524
 Lead/zinc statistics S J525

ZIRCONIUM

Ceramics demand to surge S J137
 Roskill reports S J219

Countries

AFGHANISTAN

Afghan/D.P.R.K. talks IA J455

ALBANIA

Elbasan - electrolytic Cu plant IA J004
 Albania: sulphuric acid exports IA J027
 Albanian overview IA J129
 Albanian moves IA J148
 Nickel-cobalt plant in Albania IA J318
 Albanian projects H W245
 Hydro problems in Albania IA J418

ALGERIA

North African involvement IA J295
 Algerian mine flood W J449

ANGOLA

Diamond pact in Angola IA J084

ARGENTINA

Huemules revival? IA J025
 Ripasan set to expand iron ore output P W009
 Cerro Castillo plans to expand Mine Angela P W321

AUSTRALIA

Pioneer agrees mineral sands sale W J051
 Australian sea-bed Act W J053
 Boddington share for BHP IA J006
 Australian survey W J023
 Forsyth joins Bellevue mine IA J025
 Pinjarra halt W J041
 First gold pour at Grassy Smith IA J048
 Julia farms into Brandy Hill IA J060
 Tally-Ho prospects H W016
 Australian's sand project to go ahead H W016
 Gold production high at Golden Kilometer H W017
 High grade gold at Goongahrie and Menzies H W017
 ACM and Outokumpu JV H W017
 Minproc moves on W J083
 Range Well options IA J084
 Ballarat: shakes but not deterred IA J084
 Hilton's new status W J101
 Brockman update W J103
 SOG underground study IA J104
 Roebuck/Metana at Tennant Creek IA J105
 Suddies on Schedule IA J105
 Narsana venture for Costain/RGC IA J105
 Hanson sells Mt. Goldsworthy PMA hopes for Murchison IA J124
 Undergound at Goongahrie Tomago expansion project IA J127
 First gold from Porphyry ore H W092
 Plutonic gold mine to go ahead H W092
 Tom's Gully goes underground H W092
 Drilling at Famous Blue H W092
 Thalanga update IA J169
 Grassy Smith at full capacity IA J170
 Pan West (tantalum dedicated new CMA record W J185
 New Pasinco division IA J193
 The Peak application IA J212
 South Blackwater expansion IA J212
 Port Kembla redevelopment IA J212
 Magnetics expansion plan for Jural IA J213
 Australian labour unrest IA J213
 Henison reorganization IA J214

Defiance re-examines Carr Boyd Ni mine IA J228
 Bounty Mine's quarter Copper search in South Australia IA J231
 Paddington yields more gold H W170
 Grassy Smith pours first gold H W170
 Suddies on schedule H W170
 Mt. Magnet - new gold H W170
 Australian post mortem MW J271
 Continuity of results at Bonackburn IA J272
 Mount Leyshon expands CIP IA J273
 Breathing space for Australian coal N J277
 Copjarloo expansion W J290
 Vietnamese/Australian venture IA J293
 Heavy media separation at Copeton IA J294
 Arrino farm-in for CRA IA J294
 Good progress at Rothsay IA J317
 Australian obligations IA J319
 Dragons/Forsyth joint venture IA J332
 Diamond recovery at Copeton IA J332
 Tick Hill lease application IA J335
 Copjarloo I beach sand dredge operational P W238
 Magnesite project underway in Queensland P W240
 Julia Gold-Australia Resources j.v. H W246
 Gwalia - 1st phase completed H W246
 20 yr coal contract H W246
 Mt. Martha concession H W246
 Paragon buys Galtee More Au plant H W246
 More gold H W246
 Placer's Pacific programme W J350
 Wimmera resources expanded IA J352
 Dugald River find IA J352
 Suddies almost there IA J352
 Mount Keith progress IA J353
 Boddington reserves increased IA J353
 Hot spot for BHP IA J376
 Mount Weld simmers IA J376
 Newbybar dredging starts IA J378
 Part way for Thalanga IA J378
 Grassy Smith dedication IA J379
 Hilton heralds Mt Isa renewal W J393
 Argyle ten years on W J394
 Monster opal IA J396
 Barnicoat start/Burtville inferred IA J397
 Paragon optimism IA J399
 Feaster Mining probes salt lake IA J416
 Dominion awaits nickel study IA J418
 Last pour at Perth IA J417
 South Blackwater Mines H W329
 PMA outlines 15 Mt of vanadium ore H W329
 Record production at Golden Kilometer plant H W329
 Thalanga official opening W J429
 Mount Magnet rearrangement IA J433
 A. natural sands strategy IA J434
 German Well timetable IA J453
 Green light for Yandi iron ore IA J453
 Mount McClure fast track IA J472
 Peak project decision IA J472
 Gum Creek programme IA J472
 Channar dedication IA J474
 Australian exploration - past and present N J477
 Hannockbore purchase IA J492
 Double A gold for Iwerita IA J493
 Big Bell modification IA J493
 Hunter Valley bridge IA J514
 Mount Keith financing IA J514
 Historic gold mine recoups P W401
 New finds for Dominion H W408
 Grassy Smith plant operating at full capacity H W408
 Golden blanket discovered at Black Lady H W408
 Arrino JV H W409

BANGLADESH

Bangladeshi beach sands project H W096
 Cement plant to Bangladesh IA J397

BELGIUM

Solvay salvo W J431

BOLIVIA

Bolivian prospecting IA J004
 Salar de Uyuni project IA J005
 Bolivian smelter development W J167
 Bolivian delays - tin and lithium IA J170
 Bolivian news H W168
 Vinto autonomy resumption IA J272
 IADB loan to Combol IA J319
 Bolivian tailings for Pan Andean IA J333
 Bolivian protest IA J337
 Lithium suspension IA J399
 Bolivian tin strike ends IA J418
 Laurel Industries and ENAF agreement H W328
 Andean-E.C. pact W J411
 Pan Andean-Combol JV H W410

BOTSWANA

Botswana beats target IA J230
 Pt search on Molopo Farms IA J352
 Sus Pan soda ash project moves towards production P W330
 Molopo and Inco jv H W329
 Botswana mining news H W329
 Botswana - new diamond W J471
 Export campaign W J471

BRAZIL

New Brazilian iron ore mine W J002
 Eviction begins W J002
 Bacterial oxidation at Sao Bento IA J006
 CPM tender suspended IA J006
 Brazilian reversal W J021
 Brazilian copper wire IA J025
 Brazil holds tin key W J041
 Law of the jungle N J051
 Roads reopened W J057
 Samarco replaces iron ore capacity IA J063
 Tin closure for Parapanema IA J063
 Inco's Crissas Au project H W014
 Glencore - diamonds in Brazil H W014
 MIN bauxite record IA J084
 Brazilian kaolin project W J102
 TTN in Ghana/Brazil IA J104
 Record iron ore exports from Brazil W J122
 Brazil strengthens aluminum grip W J145
 Brazil's tin output soars W J147
 Amazonia - final frontier N J217
 Amazonia's tough stand W J246
 Sao Bento H W168
 Siderite break-up approved W J290
 Brazilian beach sands W J315
 Tin beneficiation in Amazonia A W260
 Brazilian action W J351
 Ramo-narths venture in Brazil IA J353
 Aluminum in Brazil IA J354
 Colono's iron band W J373
 Titanium project in Brazil IA J378
 Haplor future for Bom Futuro? W J395
 Bom Futuro scepticism W J400
 Brazilian bauxite target IA J417
 Brazilian iron plant closures IA J434
 Kautin in Brazil IA J473

Alegria mine proposal for Samarco IA J493
 Brazilian Al output IA J495

BULGARIA

Bulgaria: miners' demands met IA J086
 Soviet trade H W092
 Bulgarian manganese for Elbet S J177
 Cutback in Bulgaria IA J181
 Bulgarian mining competition W J315

BURKINA FASO

Treleborg/Boliden in West Africa IA J148
 Boliden/Burkina Faso government joint venture H W244

CANADA

Canadian laws ready W J003
 Feasibility study for Mount Polley IA J004
 North American potential W J031
 Placer takes precautions W J033
 Polior investigation for Bonanza IA J034
 Noranda in Hope Bay venture IA J034
 Hanson Lake reserves Financing advances Midway IA J035
 Skyline improvements IA J044
 Queenston/Noranda venture IA J044
 Rendell Jackson results IA J044
 Winter drilling at Springpole IA J044
 Study approved for Preview Lake IA J044
 Iron ore project for Celtic IA J060
 Tache results for Bitech IA J060
 Sullivan mine closure IA J063
 Bitch nests gold at Betts Cove H W017
 Drilling at Great Western Star H W017
 Cathedral Gold update H W017
 Uranium slump hits producers W J081
 Inco/Golden Knight at Casa Berardi IA J084
 Aur/Louven dispute continues IA J086
 Meadowbank work for Lucky IA J104
 Eagle deal IA J104
 Bislop deal IA J105
 Normal/Noranda agreement IA J105
 Improvements at Brunswick IA J106
 New gold find on Donay property IA J124
 Funds for Spud Valley IA J124
 Preview Lake work resumes IA J124
 Good results from Francoeur IA J126
 Formal decision on Estrades IA J126
 Mt. William feasibility IA J127
 Caribou mine resumption IA J127
 Merry Widow negotiations IA J148
 Diamond exploration in Saskatchewan P W096
 Vestar's 7 Mt/y Balmor coal mine P W096
 B.C. Geological Survey - a growing resource P W098
 Drilling on the Wrightbar-Bourlameque property H W090
 Frasergold moves towards feasibility H W090
 Canadian exploration A W116
 Douay court action W J165
 Claude/Celtic in diamond venture IA J168
 Wishi Lake drilling resumes IA J168
 Further anomaly on Boburn IA J168
 Fireland Lake work continues IA J168
 Lara drilling assessment IA J169
 Canada - exploration dips W J188
 Sella bears H J195
 New life for Upper Beaver Mine? IA J212
 Retrenchments at Elliot Lake IA J213
 Canadian juniors under pressure W J227

Casa Berardi venture for TOTAL IA J228
Hislop work for Stroud IA J228
Eik drilling encouraging IA J228
Eagle Lake work for Teck IA J248
Cominco: Trail adjustment IA J250
Pipeline studies for Canadian coal P M104
Ontario Hydro foresees limited role for coal P M165
New drilling results from Monique H M170
Consolidated Goldwest Resources H M170
Springville JV H M170
The Eskey Creek discovery A M172
Fontana excitement IA J272
Quiet farm-in for Noranda IA J272
Randell-Jackman venture option IA J272
Jasper gold anticipated IA J272
Wright award IA J274
Prospecting returns to Tomagani IA J274
Prime light MW J289
Grevet M. Reserve update IA J293
Pilot plant for Grande partners IA J293
Springville earn-in IA J294
Iron ore pact in Newfoundland IA J296
New mill for Strathairn IA J296
Inco spending confirmed MW J313
Tadpo for CIM's Iskut properties IA J316
International Focus/Sheba JV IA J316
Cathedral: Brunson Creek strike IA J316
Merry Widow's prospects IA J318
Poirier results for Bonanza IA J316
Douay update IA J318
Canada's Strike Arch N J322
Prime strike MW J329
Cominco suffering MW J329
High grade results at Daniel's Pond IA J332
Omex claims purchase for Major General IA J339
TOTAL agreement in Casa Berardi belt IA J332
Bellchance partners for Golden Hope IA J333
Kid Creek roaster repair IA J337
New Brunswick Power plans coal-fired facilities P M241
Hanson Lake/McIlwenna Bay H M245
McAdams and McNeil at Spud Valley H M245
Noranda's Hope Bay interests H M245
Celtic Gold's iron ore licence H M245
Blackdown unpredictability IA J352
Labour pact at David Bell Mining glasscoat could embrace western companies MW J375
Underground at Cochenour-Willans IA J376
Springville's fluorite values IA J376
Colomac's first gold awaited IA J379
Inauguration of Becancour smelter IA J379
Detour Lake strike IA J379
Enkay fortune continues IA J416
Seabee given thumbs up IA J417
Placer's gold boost IA J417
Stelco and Mitsubishi forge steel links IA J418
Efficient underground gold mining in B.C. P M324
New gold at Douay JV H M326
Eskey Creek update IA J432
U.S. opposition to Windy Cracks IA J432
High grade shoot at Porcher Island IA J432
McArthur River uranium find IA J432
Subsury area geophysical survey IA J434
Elliot Lake allocation IA J434
Denison denies coal sale plans MW J449
Option on Takiia Rainbow Bachelor/Hecia in Lesueur venture IA J452
Gold Fields farms out Catherine/Jewell properties IA J452
Ren expenditure IA J452
Colomac gold pour IA J454
Trout Lake shaft success IA J472
Dorothy drilling IA J472
Cat Mountain interest for BP IA J472
Sinaloa mine report IA J473
McAdams in progress IA J474
Eagle River testing IA J492
Drilling targets for Quenston IA J492
Gibraltar Mines' weather problems IA J495
Copper prospect for Rea Elizabeth interest for Blackdown IA J513
Funding for Frasergold property IA J513
Iskut drilling for Prime and partners IA J513
Kittimat negotiations IA J515
French connection S J523
New infill and top-out assays from Eskey Creek H M409
Drilling at Upper Beaver H M409
Breakwater buys Argentine Vauquelin to explore Bella Pans H M409
Windarra Minerals' new gold zone H M410

CHILE

Refugio assessment IA J024
Andacollo payment IA J044
1990 forecast for CODELCO IA J046
Outokumpu farms into Chilean copper IA J061
San Cristobal studies for Miguel IA J061
Chile: Chuquicamata fire IA J151
Drilling at Andacollo mine H M098
Copper interests in Chile H M098
Refugio - major gold potential H M098
New challenge from Chile? Chilean mining: diff. out masters, same tune MW J188
Outokumpu in Chile H M168
Latin American Mining Show, Latis 1990 W M213
Andacollo: option on NSR IA J272
Escondida: early schedule IA J273
Chuquicamata forecast IA J273
GML in Vietnam/Chile IA J293
Projects around Chuquicamata IA J317
Andacollo reserve estimate IA J332
Taitai joint venture: a new nitrate and iodine project P M238
San Cristobal start-up in 1991 H M244
Refugio update H M244
Yolanda: higher grades nearby IA J378
Chile copper details MW J394
Dual success in Chile MW J415
Interim gold reserve at Andacollo H M328
Refugio round-up IA J432
Andacollo rumbles on IA J433
Outokumpu increases Chilean exposure MW J449
Mantos Blancos sale MW J489

CHINA

Kaolin deposit in Shaanxi IA J004
Coal producer fulfills target IA J006
New coal mine in South Anhui IA J006
Chinese ferro-silicon IA J027
China: 1989 non-ferrous metals IA J066
China: Kiacheng expansion IA J129
Baotou output IA J149
Yellow River discoveries H M098
China seeks foreign assistance H M098
Funds for Mongolian coalfield IA J313
Chinese news MW J227
Puracore collapse in Gansu IA J229
Swedish group to supply coal slurry fuel plant P M163
Chinese coal export problems H M166
Yanzhou coalfield completed H M166
Prosecutions in China IA J274
Lead-zinc developments IA J276
Chinese hint IA J296
Jungar update IA J318
Mining in China A M277
14th World Mining Congress & Exhibition, Beijing, China A M282
Dexing copper mine A M287
Kivik WMC and exhibition, Beijing, P.R.C. M J355
Hainan encourages foreign investment IA J380
Japanese coal venture IA J380
Qinhuangdao coal port IA J397
China's response to death toll IA J400
Chinese chrome mine under construction IA J417
China's steel bonds IA J418
China increases investment in iron ore mining H M328
Large bauxite deposit in Guizhou, China H M328
Chinese notes MW J431
Japan to build steel works in China IA J433
China exceeds steel target IA J433
Guangxi contracts IA J434
Non-ferrous metals in China IA J495
Coal output lifted MW J511
China - coal statistics western China H M412
Mechanization increases China's coal production H M412

COLOMBIA

Unrest at El Cerrejon IA J250
El Cerrejon strike IA J380
Government moves on El Cerrejon strike IA J400
Colombian coal worries eased MW J429
Gold production and projects P M403

CONGO

Congo mining research restarts H M090

COSTA RICA

Black Cliff/Lyon Lake in Costa Rica IA J293
Black Cliff-Lyon Lake JV H M410

CUBA

Cuban nickel output IA J251
U.S.S.R./Cuba in trade talks IA J475
Co-operation with Ghana IA J475
Cuba/Czech disagreement IA J515

CZECHOSLOVAKIA

Bohemian gold study IA J084
Czech gold H M168
Czech/Czech d's agreement IA J515

DOMINICAN REPUBLIC

Falcondo's furnace problem IA J025
Dominican bauxite resumption mooted IA J514

ECUADOR

Ecuador-Andean summit IA J418
Plateau results in Ecuador IA J433

EGYPT

Iraqi sulphur to Egypt IA J027
New Egyptian furnace IA J319

EIRE

Galmy boost MW J042
Underground barite mining at Ballynoe P M006
Navan discovers gold on Isalshurk IA M014
Irish sandalsuits IA J124
Galmy target raised IA J190
Galmy involvement for Outokumpu IA J248
Chevron/Ivernia pact in Ireland IA J248
Ore study in Ireland IA J248
Discerning hole for Ivernia/Chevron IA J332
Andamas/Glencar update IA J353
Soviet rejection MW J374
Conroy increases annual capacity of Galmy H M328
Ivernia acquires Chevron acreage H M328
Final feasibility for Galmy MW J430
Ivernia-Chevron JV good results H M408
Ortech's gypsum contract H M408

FINLAND

Outokumpu well positioned MW J209
Kola fund established MW J222
CIF closer to targets MW J330
Outokumpu in Karelia IA J378
Finnish-Soviet agreements IA J416

FRANCE

French credits for Alcanas IA J064
Chevy pact confirmed IA J064
Mineral resources in the American Massif, France A M105
French closure mooted IA J313
A mine fire isolated at a distance A M206
Cogenia's western uranium mines soon to close P M223
Salsigne hurting IA J514
French connection H J523

GERMANY (EAST)

East German coal problems IA J007
East German lignite MW J210
Coal cellar hoard IA J231
GDR's coal problems H M166

GERMANY (WEST)

Zinc pressure leach plant underway P M008
Pit closures expected in West Germany IA J231
F.R.G. coal MW J245
German coal dissent IA J400
Berzelius back on line IA J514

GHANA

IFC loan for Bogoso/Wahome Titian in Ghana/Brazil IA J063
Manganese in Ghana IA J108
West Africa wood investors H J109
Gold discovery in Ghana H M092
Ghanaian bauxite to Cuba IA J214
Ghana financing MW J225
Ghana's output IA J274
Ghana RIA for Ashanti IA J417
Manganese exports H M329
Co-operation with Ghana IA J475
IFC's \$3 billion stake in new gold mine P M400
Diamonds Ltd - to boost production to 1 Mt/yr H M412

GREECE

Greek alumina stalemate IA J045
Greek alumina project stirs IA J294
Improved results for Greek alumina IA J493

GREENLAND

Report on Au and Pt mineralization P M009

GUINEA

Nimba representation IA J004

GUYANA

Ormai dates IA J126
New partner sought for Ormai project IA J378
Ormai news H M326
Illegal miners in Guyana IA J455

HUNGARY

Increased Hungarian trade to Japan? IA J108
Hungarian coal MW J351
Iron and steel in Hungary IA J354
Tatabanya modernizes IA J379
Morak Hydro in Budapest IA J416

ICELAND

Strike threat in Iceland IA J374
Iceland: dispute resolved IA J396

INDIA

Bare earths find in India IA J024
Bauxite in West Bengal IA J149
France aids Coal India H M096
India/Tunisia co-operation IA J331
Indian gold repeal MW J261
Major expansion for Hindalco IA J349
Reduced output at National Aluminium IA J350
Power station for Tamil Nadu IA J395
Holding company for STC/MTRC IA J354
Indonesia export order for KIOCL IA J380
Indian coking imports IA J418
Boost in iron ore prices for India H M326
New Indian steel plant IA J433
CIF closer to targets IA J454
Indian coal outlay IA J454
Indian concerns MW J471

INDONESIA

Nickel adjustment for Indonesia IA J057
Kellian upgraded MW J087
Nickel boost for PT Inco MW J235
Tax breaks in Indonesia IA J231
Indonesia coal terminal MW J245
Asia/Pacific conference Indonesia expands copper output H M166
Diamond hopes for Acora IA J373
Acora Tumbung: fall in gold exports IA J235
Indonesia's ENVIROCOAL MW J374
Indonesian export order for KIOCL IA J380
Good year for Indonesia H J457
Mica discovery in Irian Jaya IA J492
Downstream plans for Indonesia IA J515
Acora revises S.E. Kalimantan gravel reserves H M412

IRAN

Help for Iran IA J004
Iran Iron and Steel investments IA J127
Iranian figures IA J149
Iran softens laws? IA J274
Possible Japanese aid IA J274
Aluminium expansion in Iran IA J379

IRAQ

Iraqi sulphur to Egypt IA J027
Bentonite in Iraq IA J170
Iraqi contract for French group IA J259

ITALY

Po River pilot plant IA J191
Emilia-Romagna marble production in Italy H M326
Po River plant on route IA J433
Resumption at Port Vesme IA J433
Merchants of Venice MW J510

IVORY COAST

Trillion's nickel study H M168

JAMAICA

Jamaican bauxite/alumina
Jamaica's alumina expansion
plans MW J102
Bauxite and alumina exports
up H M328
Jamaican bauxite increase IA J433

JAPAN

Naooshima refinery on stream
Aid for earthquakes? S J035
MIM in Japan IA J044
Japanese steel record MF J056
Sumitomo investigations IA J084
Japanese jackpot IA J085
Toho Titanium expansion IA J085
Increased Hungarian trade to
Japan IA J106
Japanese review S J218
Japanese funds in Kenya IA J248
Possible Japanese aid IA J274
NITI forecast S J342
Japanese mineral study H M248
Japanese coal venture IA J380
Silver find on Sado Island IA J396
Wismut to lift zinc output IA J417
Steelco and Mitsubishi forge
steel links IA J418
Japan to build steel works
in China IA J433
Japanese steel producers
suspend Soviet
shipments IA J455

JORDAN

Jordanian phosphate loan IA J229
Esbiya phosphate mine
project H M248

KENYA

Japanese funds in Kenya IA J248

KOREA (DPR)

Musan mining complex IA J318
Iron and steel plans IA J318
D.P.R.K. fertilizer complex IA J378
D.P.R.K. steel to Malaysia? IA J418
Afghan/D.P.R.K. talks IA J435

KOREA (REPUBLIC OF)

Korea expands mineral
exploration H M016
Soviet uranium supply to
R.O.K. IA J515

LAOS

Laoe investigation IA J148
Mineral development plan in
Laos H M248

LIBERIA

Liberia on the brink MW J450
Liberia: iron ore in rebel
hands IA J474

MALAYSIA

Malaysian struggle MW J146
Malaysia - Selianing gold H M096
Diamond plant in Malaysia IA J230
D.P.R.K. steel to Malaysia? IA J418
Alluvial project for MNC IA J454
Malaysia: wage rise for tin
miners IA J454

MALI

UNDP help for Mali H M016
Syama mine ahead of schedule IA J106
The Syama gold mine project,
Bali A M316

MAURITANIA

Improvement for Mauritania IA J027
Arab funding H M329

MEXICO

Mexican sale of Pachuca IA J171
Mexico to boost mine exports IA J191
Steel privatization in
Mexico IA J214
Amino investment pays off
Mexico to boost investment
in mining industry H M244
Mexican trade MW J450

MONGOLIA

Foreign investment in
Mongolia IA J434

MOROCCO

Hajar programme IA J085
Morocco: 1989 coal imports IA J086
Moroccan metal talks H M167
Moroccan strike IA J454

MOZAMBIQUE

Mozambique survey for Anglo
Kenmare Resources in
Mozambique H M016
Diatomite project in
Mozambique IA J168
Mozambique: copper/steel IA J250
Mozambique agreement with RSA IA J250
Mozambique round-up IA J274
Mozambique shortfall IA J318
Congoese heavy mineral sands
sands project P M320
Cluff/Rochwood Mozambique JV H M329
Mozambique copper mine to
close H M329
Mozambique: alluvial project
for Lonrho IA J453
Coal agreement H M410

MYANMAR (BURMA)

Offshore Burmese tin IA J403

NAMIBIA

CDM's Namibian celebration IA J230
Namibian options MW J314
Namachab inauguration MW J470
Namibia's new mining regime MW J489

NETHERLANDS

TiO₂ plant on stream IA J475

NEW ZEALAND

N.Z. Steel in land dispute
New Zealand hurdle IA J399
MW J470

NIGERIA

Tin smuggling H M410
Nigerian coal A M446

NORWAY

Bidjovange - gold/copper
mini - in Northern
Norway A M100
Kola fund established MF J222

OMAN

Oman's opiolite - a metal
target N J087
Omani private company? IA J296

PACIFIC ISLANDS

Prospects available on
Espiritu Santo IA J190
Pacific nickel MW J014
Gold mining at Vanuatu H M329
New Caledonia Ni strike
hardens IA J515

PAKISTAN

Iron ore in Pakistan IA J004
Soviet aid for Pakistan's
steel IA J004
Pakistan's Ugo mine closed
Pakistani coalfield IA J026
development H M016
Revised Saindak project IA J170
Emeralds auction IA J170
Pakistan: Geological Survey
finds IA J190
Saindak project IA J390
Investing in minerals:
Pakistan IA J396
Cement plant to Bangladesh IA J387

PANAMA

Due diligence in Panama IA J313

PAPUA NEW GUINEA

Bougainville moth-balled MW J002
P.N.G. strike continues MW J042
Roads reopened MW J057
Highlands Gold widens P.N.G.
strike IA J061
Purgera progress MW J081
Rising violence in
Bougainville IA J085
Bougainville withdrawal MW J103
Bougainville passes dividend MW J121

Purgera progress IA J169
Bougainville in rebel hands IA J214
Libre hot spot MW J349
Bougainville talks mooted IA J354
P.N.G. find for Elders IA J376
P.N.G. aid MW J431
P.N.G. work for Highlands
Gold IA J513

PERU

La Oroya smelter bombing IA J026
Peruvian strike MW J042
Centromia strike lifted IA J086
Metals overview in Peru IA J106
Peruvian miners call strike IA J149
SPCC strike underway IA J213
Peru: strike drags on IA J230
Partner found for Isacayrus IA J249
SPCC strike unresolved IA J296
Isacayrus rebound IA J317
Peruvian strikes: some light IA J335
Copper strike ultimatum MW J349
SPCC strike lifted IA J379
Peruvian strike problems IA J399
Labour round-up MW J414
No magic wand N J479
UMA find in Peru IA J492
Coal in Peru IA J513

PHILIPPINES

Dismal work for Caltus
Question mark over the
Philippines IA J084
Philippines chrome IA J085
Philippines deal N M167
E.C. facility IA J400
Benguet production losses IA J433
Forex earnings in the
Philippines IA J454
Malebitan official IA J475
Antamok picketing over IA J495

POLAND

Polish coal consortium IA J047
Copper output down in Poland IA J063
Polish strike ends IA J083
Polish coal efforts MW J166
Polish reform MW J210
Coal pillar reclamation in
built-up areas P M162
Lenin no more IA J286
Poland: coking plant to shut
R.S.A./Poland strengthen
ties IA J354

PORTUGAL

Prospecting in Portugal IA J080
Portugal states goal IA J274
Neves-Corvo tin inauguration MW J289
EDM in Iberian search IA J352
Precious metals in Portugal
Neves-Corvo tin begins
Neves-Corvo tin plant H M406

ROMANIA

Romanian reorganization IA J027
Undermining the East N J499

SAUDI ARABIA

Saudi licensing IA J044

SENEGAL

Phosphate increase in
Senegal IA J105
Arab funding H M329

SIERRA LEONE

Sierra Rutile record IA J171
Sierra Rutile to extend IA J289
Legal action H M410
Sierra Leone - new mining
policy

SOUTH AFRICA

South African stimulation MW J002
Libanon accident IA J006
Crocodile River official
Second innings for South
Africa? MF J038
ANC offering MW J042
S.A. coast cuts continue MW J055
Winkelsack project approved MW J057
Margins narrow for S.A. gold
producers MF J073
South African gold ends
lower IA J086
Reform boosts R.S.A. shares MW J101
Cry Freedom N J111
Mandela merges MW J122
South African 'advice' MF J163
U.S. holdings in R.S.A.
plummet MW J166
R.S.A. budget MW J210
Libanon fire IA J213
Rokburat at Western Deepes
Moatize agreement with RSA IA J250
Beekraal accident IA J291
Crocodile River opens H M167

Anglovaal launches rights
offer MW J289
Metals strike in R.S.A. IA J296
Quarterly unrest in R.S.A. MW J313
Interest intensifies at
Patch Gap IA J316
Utikomat examined IA J317
Hustenburg plans MW J331
South African pay season IA J335
Weltreden go-ahead given H M245
Rumbles at Potgietersrus IA J353
R.S.A./Poland strengthen
ties IA J394
South African gold gloom MW J373
New autocatalysts plant IA J378
R.S.A. clashes MW J385
Lobosco Plata sacks strikers IA J399
South Africa unsettled MW J413
Labour round-up MW J414
Gold output in R.S.A. IA J433
Accident at Klandsrand IA J454
Welkom blast IA J474
Lorraine cutback IA J474
R.S.A. labour cutback MW J480
Purity chrome gearing up IA J489
R.S.A. accidents MW J511
Sasol coal expansion IA J514
Lower output from Gauteng IA J513
Watershed judgement in
R.S.A. IA J515

SPAIN

Asnalcollar A M020
Construction/mining show in
Zaragoza, Spain N M080
Spanish coal unrest IA J213
Ensidesa/Unior venture in
Spain IA J249
Success in Spain IA J274
Asturians round-up IA J318
E.C. limits on Spanish coal MW J375
Spanish potash IA J400
Andaman and Billiton in
Spanish gold venture IA J418
Macael opencast mines meet
rising demand for
marble P M401

SRI LANKA

Sri Lankan diamonds industry IA J337
Sri Lankan diamond cutting
project H M412

SURINAM

Surinam: short of target IA J191
Surinam clashes continue IA J454
Moengo in cross fire IA J495

SWAZILAND

Swaziland overview IA J337
Swazi mining in 1989 H M410

SWEDEN

Swedish mobile crushers N J087
Kankberg goes electric A M253
Swedish exploration IA J416
Kiruna ore to Arbed IA J493
LKAB: a century of success A M416
Kiruna mine today A M422
Super stopes at Kiruna A M429

SWITZERLAND

De Beers: Swiss Centenary MW J185

SYRIA

Syrian phosphate exports IA J129
Arab loan to Syria IA J274

TAIWAN

Taiwan steel partnership IA J228
Taiwan optimistic MW J489

TANZANIA

Tanzania: gold buying scheme IA J337
Gold and gemstone marketing H M244
Tazara copper shipments fall IA J399
U.N. investment in Tanzania IA J472
Tanzania gold buying scheme H M410

THAILAND

Steel plant in Bangkok IA J170
CRA in Thai venture IA J376
New company for Thai potash
project MF J405

TIBET

Copper deposits in Tibet IA J316

TOGO

Togo: anti-cadmium aid H M016

TUNISIA

Indian/Tunisian co-operation IA J331
North African involvement IA J295

TURKEY

Turkish disaster MW J101
Turkish protest against mine disaster IA J249
Chrome venture in Turkey IA J378
Turkish delight IA J396
Soviet development in Turkey IA J397
Comlaco strikes gold in Turkey IA J418

UGANDA

French investment in Uganda IA J105

U.K.

U.K.'s mining analysts MW J002
LME real-time price data S J013
Carson Holdings tightens belt IA J028
Underground sampling at Parys Mountain IA J045
U.K. coal's new era MW J059
Lower Hills lead mining heritage trail P M009
British colliery's European record N M014
Anglesey Mining nears Parys Mountain ore H M014
Ballymoney study MW J083
British Coal cuts IA J085
Double million MW J102
Planning for Shetlands Talc Geowor closure MW J146
Outback in Cornish tin mining P M089
Cornish - increased Au grade and width H M092
Reclaiming metalliferous tailings in Wales A M112
Welsh flooding IA J170
Cornish: production study IA J190
Tyronne gold quest IA J212
U.K. tin: and then there was one... IA J213
Energy to burn N J216
Output boost at Capper Pass IA J229
The mine that will be a road P M163
Anglesey Mining at Parys Mountain H M166
Custom-built drill rigs meet targets at Birkhead gypsum A M190
Green coal MW J270
Cornish environmental study IA J272
British Coal privatization delay MW J329
Cornish tin: mines close, tourist trail to open P M240
"Reclaiming tailings" - a reader's comments P M242
Enxox to start Cornish study H M245
Shetland tale H M245
The Bog Mine A M269
Parys Mountain feasibility begins IA J397
U.K. coal threat MW J413
A secondary route N J459
Kirk contract to Miller IA J493
U.K. coal talks IA J493
Tyne-Tees/Anglesey geochem data IA J515

URUGUAY

Uruguay opens up IA J047
Gold refineries for Uruguay IA J379

U.S.A.

Pittston coal strike over U.S. state taxes MW J001
North American potential drilling results for RFC IA J024
Van Stone feasibility IA J025
Romanian mine litigation IA J025
Sord reclaiming heavy minerals U.S. fatalities IA J026
Executive review - from AMC IA J027
Van Stone option exercised N J032
Bacterial oxidation at U.S. Florida Springs IA J044
U.S. clean-up N J341

Mine permitting at Stone Cabin IA J045
Arizona venture for Gold Venturi IA J045
Amaz. farms into Coral's IA J046
Robertson property IA J046
Elder Creek on stream IA J047
Piedmont increase IA J047
Noble Peak assesses Crypto property IA J060
Rainbow Hill search IA J060
Banner update IA J061
Construction starts at Oracle Ridge IA J061
Greene light for MacArthur IA J061
Mother Lodge at full speed IA J061
Will commissioning at Tonkin Springs IA J063
Gold at Arizona Barrick H M017
Phelps Dodge record MW J081
Kimberlite search for Crystal/Dow IA J084
Tenneco increases gold exposure IA J085
Mutual benefits N J091
Alaskans in Soviet venture MW J103
Trost Creek programme IA J104
Aviso bows out of Nevada IA J104
Van Stone decision pending IA J106
Expansion at Bunker Hill IA J106
Kettle pours gold MW J121
Partner for Eater Dome IA J124
Crown funding from Gwalia IA J124
Fairbanks assessment IA J126
Cleave air controversy N J135
Minorco to acquire PMG MW J145
Partner for Dayton's Pyramid project IA J146
Tortoise & Viceroy: mutual benefit IA J148
New find at Jerritt Canyon IA J148
Funding agreement for Shumag IA J148
Morenci expansion on schedule IA J151
Pittston strike over IA J151
New crusher at American Girl IA J151
Kennebec to expand Utah copper operation P M088
Major development programme at Republic H M090
Tamarock ruling MW J165
Corral/Amex agreement IA J168
Firmed IA J168
Grouse Creek programme IA J168
Red Dog start-up problem IA J170
Kennebec feasibility study IA J190
Briggs assessment IA J190
Invanhoe construction start IA J191
Candelaria milestones IA J191
Missouri smelter pact for Noranda IA J191
Tenneco/Asahi in soda ash venture IA J191
Minorco court challenge MW J209
Eastman/Pikes Peak venture IA J212
Funds for Rainbow Hill IA J212
Go-ahead for Zenda construction IA J312
Van Stone option extended IA J312
Noranda farms into Empire project IA J328
Pend Oreille assessment IA J328
Partner for Crown Jewel IA J328
Lake Superior diamond search IA J328
Shovel venture for USK/Kobe IA J329
Antarctic debate MW J247
PGMs at Birch Lake IA J248
Underground drilling at Blue Moon IA J248
Micron gold testing IA J249
Mother Lodge resolves hiccup IA J250
U.S. lead tax IA J251
Zoning of magma in volcanic eruptions P M162
Empire gold project H M170
Drill targets at Sheep Creek Canyon H M170
Fluor contract MW J268
Financing for Oracle Ridge IA J273
McLaughlin celebration IA J273
Crystalline drilling finds IA J293
Crown Jewel results IA J293
Boston Show MW J315
Mitsui/Cyprus in U.S. venture IA J316
Tyronne extension proposal IA J332
Robertson joint venture IA J333
Drill results IA J333
Van Stone option exercised IA J335
Bacterial oxidation at U.S. Florida Springs IA J335
U.S. clean-up N J341

Comex products MW J348
Mt Chase/Hope Butte agreement IA J352
High Frontier/Kennecott IA J352
Randsburg option from DRX IA J352
Harquahala project expanded IA J353
Barco group plans titanium plant IA J353
Alligator Ridge purchase for USK IA J354
Jessie Page venture for Chevron/MK IA J376
Hanson lifts Peabody bid MW J383
Acid price reduction MW J385
Corona in Carolinas titanium venture IA J396
Minnesota land for North Lily Nevada gold/copper option IA J396
for Gwalia IA J396
Grassy Mountain go-ahead IA J396
Stillwater change bids IA J396
Kingston option declined IA J397
LME approves U.S. warehouse locations S J407
Butte reserve increase IA J418
Alaskan gold JV H M326
Large gold find for Canyon Construction begins on Ivahoe JV H M326
American Girl mining JV H M326
Butte Mining pic's IA J434
BP in U.S. coal sale MW J429
U.S. opposition to Windy IA J432
Goldbelt plans bacterial leaching at Victoria IA J432
Ormet in smelter talks IA J434
Phelps Dodge interlude IA J434
Crown farms into Tintic district IA J452
Candelaria funds to head Santa Fe claim IA J452
Pacific Sentinel at Golden IA J452
Crown Butte go-ahead IA J453
Chino accord pressures copper MW J469
Quartz Hill warning MW J471
Black Pine purchase IA J472
Gray Eagle study positive IA J472
Valley Creek sinners IA J473
Ward mine/Taylor mill IA J474
U.S. strike on Sn stockpile IA J475
Satellite training IA J475
Rainbow Hill drilling IA J492
Underway IA J492
Forecast published at Rabbit Creek IA J492
Satellite feed for Gold Bar mine IA J493
Piedmont expands reserve base IA J493
Coal contract for Colowyo IA J493
KTS listing MW J509
Smelter agreement for Oracle Ridge IA J513
Fire nuisance for Cyprus Developments at Stillwater IA J514
Pt/Pd mine, Montana P M400
Crown Jewel drilling results H M410

U.S.S.R.

Soviet aid for Pakistan's steel IA J004
Help for Iran IA J004
Waste measures N J011
Soviet gold and coal measures MW J021
Gold - a Soviet staple N J089
Alaskans in Soviet venture MW J103
Recent mine accidents IA J149
Soviet trade H M092
Soviet energy - independent IA J214
Investment IA J214
Coal conversion MW J222
Kola fund established IA J319
Soviet trade MW J330
Soviet diamond discovery IA J332
Underground work at Khingan IA J333
Gold upheaval in the U.S.S.R. IA J335
Uranium - the Soviet challenge N J340
New coal loading complex in U.S.S.R. IA J354
Mining glasscoat could embrace western companies MW J375
Outokumpu in Karelia IA J376
Soviet mines poisoned MW J393
Soviet development in Turkey IA J397
Soviet gold glasscoat IA J417

Pollution problems continue IA J417
Soviet metals development IA J418
Finnish-Soviet agreements IA J418
No test-boobs H J439
Soviet mine accident IA J474
U.S.S.R./Cuba in trade talks IA J475
Soviet diamond deposit IA J489
Soviet Union joining in Sulphur exporting facilities in U.S.S.R. IA J514
Soviet uranium supply to U.S.K. IA J518

VENEZUELA

French credits for Alcan IA J004
Gold recycling in Venezuela IA J047
Credit for Venezuela IA J047
Venezuela easing restrictions MW J059
Kobe Steel lease in Venezuela IA J105
Venezuelan smelter IA J313
Venezuela - open to foreign investment IA J319
Greenwich expands Botomamo pilot plant H M344

VIETNAM

Vietnamese stirrings MW J146
The Lignite Fields of Vietnam H M092
UNDP assistance to Vietnam IA J281
ORL in Vietnam/Chile IA J293
Vietnam/Australia venture IA J293
Vietnam: coal expansion IA J337
AMR in Vietnam IA J432

YEMEN

Helicopter survey in Yemen IA J134

YUGOSLAVIA

Oil shale project in Yugoslavia IA J004
Yugoslav coal update IA J027
1990 exports for Aluminium Roof collapses at Zenica works IA J229
Lignite dredging in Yugoslavia IA J285
Diversification in Yugoslavia IA J296
Ereka faces insolvency IA J296
Birac expands selenite output IA J296
Gold activity in Majdanpek IA J317
Production starts at Skopje IA J318
Yugoslavia... strike at Zenica IA J318
Yugoslavia - coal and lignite H M345
Yugoslavia: strike spreads IA J354
Yugoslav unrest IA J454
Yugoslav gold finds H M408
Yugoslav selenite exports H M408

ZAIRE

Zaire tragedy MW J373
Zaire copper prospects dull IA J417

ZAMBIA

Musali nickel study IA J024
Zambian fluorapatite project IA J105
Zambian shipments IA J129
ZCN's quarter IA J229
Musali nickel project H M187
Zambian-Italian marble project IA J396
Zambia riots MW J399
Zambia highlights IA J514

ZIMBABWE

Outokumpu in Southern Africa IA J151
Gwalia's gold hopes in Zimbabwe H M090
Chegutu/Campasilla update IA J168
Zimbabwe mining: ten years of struggle N J299
ZISCO's survival? IA J335
Plateau Mining H M455
Zimbabwe easing constraints MW J411
Nickel drop for Bindura IA J433
Jena investigation IA J473
Cam dumps retreatment problems IA J475

Methods and Machines

ALLUVIAL MINING

World's largest mineral sand mining dredge M J154

Conductivity I beach sand dredge operational P M238
Large dredge to mine TiO₂ in Florida M J517

ANALYSIS

Outokumpu Electronics upgrades Courier analysers M M065

The Ramplus drill system in-situ assays with portable XRF analyser A M118
Direct analysis of ores on moving belts M J381

In-situ assays with XRF
analyser M M377

BLASTING & EXPLOSIVES

New vibration monitor M J252

COAL TECHNOLOGY

Simultaneous coal heading/
roof bolting machine
development M J215
"Water-only" cyclones A M266
Janeson cell success in coal
recovery M J381

COMMUNITION & SCREENING

Swedish mobile crushers M J087
Quality products for lab
work on milling,
grinding and size
analysis M J087
New classifying and
dewatering screen M J131
Large grizzly feeder M J155
Comprehensive line of lab-
scale crushing/milling
units M M217
Hydraulic breaker for large
excavators M M217
New classifying/dewatering
screen M M302
Mobile crushers from Sweden M M303
Large grizzly feeder M M305
Jaw crusher offers simple
maintenance, longevity M J356
Fine grinding study in
Australia M J517

COMPRESSORS

3CR12 steel class
compressors in tough
Namibian application M J517

COMPUTERS

Computer file M M072
Dataplan A M128
Computer file M M136
Computer file M M221
Software for geological
modelling of stratified
deposits M J420
Digital geological mapping A M366
Computer file M M380
Computer file M M458

DRILLING

Groundwater drainage on
Zambian copperbelt M M067
Additions to Atlas Copco
D-T-H hammer series M J107
This kerf wireline system
Tee Samples drill system A M118
Drill rig for Channel Tunnel
project M M143
Longer life from new matrix/
diamond impregnated
bits M J192
A century of experience
New cutting technique
reduces exploration
drilling downtime M J199
The Samples drill A M177
Sterile shaft drilling A M180
Custom-built drill rigs meet
targets at Birkhead
Kyrusum A M190
Drilllex '90 M M210
New-generation blasthole
drills for opencast
mining M J275
Accurate re-grinding of
ballistic button bits M J298
New button bit range M J320
Mini drill rig for narrow
stopes M J338
Exploration drilling in
Greenland M M300
Thin kerf wireline system
Drilllex '90 M M303
New matrix/diamond
combination bits M M371
Adaptation to Atlas Copco
D-T-H hammer range M M378
Single boom, flexible
application drill
jumbo M J476
Improved blasthole bits M J496
Mini drill for narrow stopes M M452
Electric blasthole drills
for opencast mining M M453

EDUCATION & TRAINING

Geology scholarships from
MIF IA J004
Finding out E M085
Image processing N J301
The Professionals E M237
The New Mine A M269
C.E.T. E M319
Sampling and valuation of
gold deposits IA J455
A secondary role N J459
Satellite training IA J475

Mining Association IA J495
Educational Trust E M399
Time to speak out

ELECTRICAL EQUIPMENT

High voltage cable couplers
for mining M M378
New mining rectifiers M J456

ENERGY & POWER

More than hot air N J157
European energy outlook S J160
New diesel generator sets
for the mining industry M M139
E.C. energy after 1992 N J173
Soviet energy - independent
investment IA J214
Energy to burn N J216
Power station for Tamil Nadu IA J285
New Brunswick Power plans
coal-fired facilities P M241

ENVIRONMENTAL CONTROL

Executive views - from AMC N J033
Law of the jungle N J051
Clean air controversy N J135
Tortoise & Viceroy: mutual
benefit IA J148
Platinum's green mantle N J156
More than hot air N J157
Reclaiming metalliferous
tailings in Wales A M113
30y sack smelting for Cu
smelters M M142
Amazonia - a final frontier N J237
Catalytic purifier for mine
diesel equipment M J252
The mine that will be a road P M163
Green coal NW J270
Radioactive waste disposal IA J273
Image processing N J301
Bulgarian mining competition
U.S. clean-up N J341
Brazilian action J351
Irish alteration NW J374
Soviet mines poisoned NW J393
Pollution problems continue
Catalytic purifier for mine
diesels M M379
W.A. minerals sands
strategy IA J434
Brazil orders iron plant
closures IA J434
Improved CaSO₄ scale
inhibition technology M J476
Time to speak out E M399

EQUIPMENT SUPPLIERS

Annalcoliar A M020
Custom-built drill rigs meet
targets at Birkhead
Kyrusum A M190
Drilllex '90 M M210
Tin beneficiation A M260
14th World Mining Congress
& Exhibition, Beijing, China A M283
XIVth WMC and exhibition,
Beijing, P.R.C. M J355
Butte Mining plc's
operations in Montana A M330
LEAB - a century of success A M416
Kiruna mine today A M422
Super stopes at Kiruna A M428
Wheel loaders A M437

EXCAVATORS & LOADERS

Hydraulic breaker for large
excavators S J049
Large draglines for
Syerfontein Colliery M J084
New PAH hydraulic excavator
for hard rock mines M M060
Giant Demag for Australia
New large mining vehicles M M065
From Caterpillar M M138
MNU aide British Gypsum
upgrade M M140
New face shovel for U.K.
quarry M M142
Huge new dragline for
Australian coal mine M M144
Liebherr R984 for Welsh
opencast coal site M J220
World's largest all-cast
mine shovel dipper M M216
Large draglines for
Syerfontein, S. Africa M M216
Hydraulic breaker for large
excavators M M217
New wheel loader M J338
Liebherr R984 excavator for
Welsh coal site M M305
ST-2 - Wagner's new small
pace-setting Scoopteam M J355
High lift loader aids
Kentucky coal operation M M377
Wheel loaders A M437
New wheel loader M M452
Wagner's ST-2 - a
pace-setting small
Scoopteam M M455

EXHIBITIONS & MEETINGS

OUTLOOK 90 IA J007
Mine Geologists' Conference IA J007
Gold Update '89-'90 IA J007
Dredging & Placer Mining IA J007
Reclamation Technology and
Regulation IA J007
The use of optimization in
open pit design IA J047
Financial Conference IA J047
International Copper
Conference IA J047
Recycling of metalliferous
materials IA J047
Latin American Symposium on
Mining IA J047
International Lead
Conference IA J047
U.K. Coal, Challenge for the
1990s NW J059
Construction/mining show in
Saragosa, Spain M M060
The Global outlook for TiO₂
and TiO₂ replacements/
extenders IA J086
Pacific Rim Congress 1990
Lead and zinc in the 1980s
and 1990s - World and
Latin America IA J086
International Investment
Conference IA J086
Boston Gold Show IA J086
Environmental impact of the
minerals industry IA J153
Mine reclamation symposium
Mining and reclamation IA J153
Economic treatment of mineral
wastes IA J153
Mining and mineral
processing wastes IA J153
Minerals, metals and the
environment IA J153
International Conference on
Automation in Mining
Coal Convention '90/Coal
Prep '90 IA J214
Mining Convention '90 IA J214
MINEX International '92 IA J214
Asia/Pacific conference
MINOP 90 IA J251
Mining Industry Capital and
Operating cost
estimation conference IA J251
Mining and Mineral
Processing IA J251
Environmental issues and
management of waste in
energy and minerals
production IA J251
Fundamentals apart N J255
Latin American Mining Show,
Chile 1990 M M213
Success in Spain IA J274
Boston Show NW J315
Australia obligations IA J319
14th World Mining Congress &
exhibition, Beijing, China A M283
XIVth WMC and exhibition,
Beijing, P.R.C. M J355
Drilllex '90 N J383
Dual success in Chile NW J415
Advance in the de-
contamination of water
with industrial effluent
with compact systems IA J418
4th Canadian symposium on
mining automation IA J418
Uranium Institute IA J418
Kaigas '91 IA J418
International Filtech
conference IA J418
Minerals, Materials and
Industry IA J455
International symposium on
gallium arsenide IA J455
Minerals International 1990 IA J495
South African Mining
Conference IA J495
Coal mining health, safety
and research IA J495
International Deep Mining
Conference IA J515

EXPLORATION

Position fixing with hand-
held unit for field
exploration personnel S J048
Lead investigation IA J148
Finding out E M085
Mineral resources in the
American Massif, France A M108
Canadian exploration A M116
Exploration - global trend NW J185
Canada - exploration dips
field supplies for
prospecting/exploration M J192
The Global dimension N J239
Good ideas E M139
The Sakay Creek discovery A M172
Position fixing with hand-
held unit M M215
Canada's Strike Arch N J322
Australian exploration -
past and present N J477

FILTRATION

Double layer wave belting
improves filtrate
quality M J435

GEOLOGY & ORE RESERVES

Manganese A M036
New commission to study
magmatic ores P M088
B.C. Geological Survey - a
growing resource P M088
Mineral resources in the
American Massif, France A M108
Canadian exploration A M116
Zoning of magmas in volcanic
eruptions P M162
The Sakay Creek discovery A M172
Software for geological
modelling of stratified
deposits M J420
Precious metals in Portugal A M340
Major new projects and
expansion programmes A M357
Digital geological mapping A M366
Nigerian coal A M446

LABOUR

Pittston coal strike over NW J001
Peruvian strike NW J042
Asarco in labour talks IA J048
Polish strike ends IA J053
Bulgaria: miners' demands
met IA J088
Centromin strike lifted IA J088
Asarco pact ratified IA J137
Peruvian miners call strike IA J149
Pittston strike over IA J151
New pact at Doyon IA J191
Missouri smelter pact for
Noranda IA J191
SPCC strike underway IA J213
Australian labour unrest IA J213
Spanish coal unrest IA J230
Peru: strike drags on IA J250
Unrest at El Cerriljo IA J251
Strike threat in Iceland IA J274
Iceland: dispute resolved IA J298
Metal strike in R.S.A. IA J296
SPCC strike unresolved IA J296
Iron ore pact in
Herdland IA J296
Yugoslavia... strike at
Zenica IA J319
South African pay season IA J325
Peruvian strikes: some light IA J335
Gold upheaval in the U.S.S.R. IA J335
Copper strike ultimatum NW J349
Labour pact at David Bell IA J354
Yugoslavia: strike spreads IA J354
SPCC strike lifted IA J379
El Cerriljo strike IA J380
R.S.A. clashes NW J395
Peruvian strike problems IA J399
Lewisa Plate sacks strikers IA J399
Government moves on El
Cerriljo strike IA J400
Labour round-up NW J414
Bolivian tin strike ends IA J418
Phelps Dodge interlude IA J434
Oreest in smelter talks IA J434
SPCC wage award IA J454
Malaysia: wage rise for tin
miners IA J454
Yugoslav unrest IA J454
Ormet reaches labour pact IA J454
Moroccan strike IA J454
Asarco in labour talks IA J454
R.S.A. labour cutbacks NW J489
Asarco: Ray labour talks IA J493
Brunswick talks off IA J514
New Caledonia Ni strike
hardens IA J515
Aluminium smelter cuts
output IA J515
De Beers in labour talks IA J515
Kitimat negotiations IA J515

LEACHING

Solvent extraction of copper
- a perspective A M026

MAINTENANCE & LUBRICATION

On-line shearer condition
monitoring M J029
Fluid condition monitor for
coal mine machines M M067
Condition monitoring A M194
On-line condition monitoring
warns of shearer
failure M M214

MATERIALS HANDLING

Long life skips M J131
Large grizzly feeder M J155
Discharge valve aids
minerals handling M J172
Handling vanthates safely
Automatic grab for
tankhouses M J297
Long-life skips M M302
Discharge valve facilitates
minerals handling M M376
Protecting Europe's longest
tube conveyor M M456

METALLURGY

Silicon A M350

MINE COMMUNICATIONS

- Sophisticated longwall communications link M J252
British Telecom aids U.K. coalfields communications M M214
New communications system enhances mine safety M J420

MINE MANAGEMENT

- Finding out E M085
Datapien A M128
RTZ in the 1990s N J254
Mergers and acquisitions in the mining industry A M200
Mine planning N J385

MINERAL PROCESSING

- Work on bacteria to remove organic sulphur from coal M J009
Treating refractory gold concs. by bacterial oxidation M J029
World's largest swing-arm thickener for tailings retreatment project M J084
Solvent extraction of copper - a perspective A M026
Improved laboratory disc magnetic separator M M065
New wear-resistant hydrocyclone linings M J107
Bijovage - gold/copper mining in Northern Norway A M100
Treating refractory gold concs by bacterial oxidation M M138
Retort systems remove Hg & Ni from Au/Ag concentrates M M141
Compact column cell for low-cost flotation M J172
Good ideas E M159
Ruge thickener for Au tailings project M M211
Carbon-in-leach with oxygen cost study M J275
Carbon regeneration furnace Licences for coal-gold agglomeration process M J297
Tin beneficiation in northwest Brazil A M260
"Water-only" cyclones A M266
Compact column flotation M M304
Flowmeter for difficult coal/mining slurries M J355
New S.A.-based mineral process design consultancy M J356
Coal-gold agglomeration Large flotation cells commissioned at Flimston M J401
Mixer-settler systems for Au Carbon-in-leach with oxygen (CILCO) cost study A M376
New high intensity magnetic separators M J435
Special furnace costs gold recovery costs M J435
Vaal Reefs compressor A M436
Australian study on better heavy liquid for mineral separation M J458
Improved CaSO₄ scale inhibition technology M J476
Assault to produce metals from waste M J496
Carbon regeneration furnace M M457

MINING EQUIPMENT

- Utility vehicles aid development work at Mt Isa M J008
New electric trolley truck S J048
Analcoliar A M020
Modular water storage tanks for mines M M144
Custom-built drill rigs meet targets at Birkhead expum M M190
Drillflex '90 M M210
Flexible, imper-meable clay dam and pond liner M J339
Kankberg goes electric A M252
Tin beneficiation in northwest Brazil A M260
LEAB - a century of success A M416
Kiruna mine today A M422
Super stopes at Kiruna A M428
Wheel loaders A M437

OFFSHORE & DEEP SEA MINING

- Australian sea-bed Act M J003

OPENCAST MINING

- Analcoliar A M020
Mining activity in the Western World A M041
Bijovage - gold/copper mining in Northern Norway A M100

Major new projects and expansion programmes (non-gold)

POLITICO-ECONOMIC

- South African stimulation Waste measures N J002
Soviet gold and coal measures M J021
Second findings for South Africa? M J036
P.N.G. strife continues M J042
Law of the jungle M J051
Investment performances M J058
Venezuela easing restrictions M J059
Oman's ophiolite - a metal target N J067
Welcome the 90s E M005
The World Bank looks at Africa's mining P M008
Manganese A M036
Mining activity in the Western World A M041
Question Mark over the Philippines IA J085
Gold - a Soviet staple M J089
Mutual benefits? N J091
Reform boosts R.S.A. shares M J101
Brazilian tonic M J107
Cry Freedom M J111
Mandela emerges M J122
Private gold investment M J123
Albanian overview IA J129
Clean air controversy M J135
South African 'advice' M J183
U.S. holdings in R.S.A. plummet M J186
Euro directives N J174
Chilean mining: different masters, same tune M J188
Mexico to boost mine exports IA J191
Sellers beware N J195
R.S.A. budget M J210
Golden acquisitions M J211
Bougainville in rebel hands IA J214
Brazilian tonic M J217
RTZ breaks billion barrier M J225
Ghana financing M J225
Canadian juniors under pressure M J227
Amazonia - a final frontier N J237
The Global dimension N J239
Brazil's copper stand M J246
RTZ in the 1990s N J254
Fundamentals apart N J255
Mergers and acquisitions in the mining industry A M200
Iran softens laws? IA J274
Arab loan to Syria IA J274
Portugal accepts coal IA J274
Prospecting returns to Tenagami IA J274
Breathing space for Australian coal N J277
Opportunity knocks N J279
Cost reference M J291
Zimbabwe mining: ten years of struggle N J299
Namibian options M J314
Mozambique shortfall IA J318
Venezuela - open to foreign investment IA J319
European schemes IA J319
Exchange of ideas N J323
Mining in China A M277
Copper strike stimulates Lihir hot spot M J349
Bougainville talks mooted IA J354
Hainan ex-murges foreign investment IA J380
Investing in minerals: Pakistan IA J396
N.Z. Steel in land dispute IA J399
How Futuro scepticism IA J400
E.C. facility IA J403
Europe 1992 - countdown N J405
A single market N J408
South Africa unsettled M J413
Zimbabwe easing constraints M J414
Silicon A M350
A better balance A M355
ADB calls for African expansion M J431
P.N.G. aid M J431
Foreign investment in Mongolia IA J434
Elliott Lake allocation IA J434
Copper underestimated N J437
No text-books N J439
Liberia on the brink M J450
Suriname clashes continue IA J454
Foreign investments in the Philippines IA J454
Japanese steel producers suspend Soviet shipments IA J455
Illegal miners in Guyana N J455
Good year for Indonesia N J457
Export campaign M J471
Wolkom blast N J474
No magic wand N J479
Namibia's new mining regime M J489
Uranium production N J498
Undermining the East M J499
Zambia riots M J509
Zambian highlights IA J514
Waterhead judgement in R.S.A. IA J515
Downstream plans for Indonesia IA J515
Mixed signals from Eastern Europe N J522

Fresh connections

- N J523
Bolivian prospecting IA J004
Prospecting in Portugal IA J080

PUBLICATIONS

- Metallograph non-ferrous statistics S J052
The mining Law of 1872: a legal and historical analysis R M069
The Mines of Cardiganshire, Montgomeryshire and Shropshire R M069
Colombian survey IA J086
Roskill on beryllium IA J086
South African environments into the 21st century IA J153
Mining/recycling IA J153
Cost factors in reclaimed sites IA J153
Northern Miner reaches 75 IA J171
World aluminium industry IA J214
Geology and economics of platinum group metals in Australia R M219
Vandals: a world situation report R M219
Industrial Archaeology Review R M219
Millicent - the mine that drowned R M219
The professionals E M237
An introduction to applied geostatistics R M308
Concise encyclopedia of mineral resources R M307
The new materials revolution N J397
United Kingdom Minerals Yearbook 1989 R M385
Today's technology for the future N J397
Metallurgical industries R M385
Gold in Britain R M385

PUMPS & PIPES

- Pinch valves for high pressure applications M J008
Dependable ceramic-lined slurry pumps M M068
Dry seal pump eliminates packing/maintenance problems M J107
Dry seal pump eliminates packing/maintenance problems M M213
Pinch valves for high pressure applications M M216
High pressure slurry pumps for phosphate pipeline M J320
New thread facilitates shaft pipeline installation in F.R.G. salt mine M J381
Pump repair kits M J401
High pressure slurry pumps for phosphate pipeline M M453
Rapid shaft pipeline installation in F.R.G. M M456

RECLAMATION

- Reclaiming metalliferous tailings in Wales A M112
"Recycling tailings" - a reader's comments P M242

RESEARCH

- New commission to study magnetic ores P M058
Good ideas E M159
The Bog Mine A M269
Lab-scale milling, grinding and size analysis M M301
The new materials revolution N J357
Seeking solutions N J359

RUBBER & PLASTICS

- New Linatex plant in Malaysia M M143

SAFETY & HEALTH

- Libanon accident IA J006
U.S. fatalities IA J027
Handling Xanthates safely M J064
Turkish disaster M J101
Safety statistics N J124
Recent mine accidents IA J149
Rescue in East Bengal IA J149
Chile, Chugachata fire IA J151
Euro directives N J213
Libanon fire IA J213
Upgraded mine vehicle fire suppression systems M J215
Furnace collapse in Gansu IA J229
Rockburst at Western Deepwells IA J230
In-situ accident prevention with CCTV systems M J232
Large-display methane monitor on continuous miners M J232
Turkish protest against mine disaster IA J249

- Dechloral accident IA J251
Catalytic purifier for mine diesel equipment M J252
A mine fire isolated at a distance A M206
Hand-held dust meter gives instant readings M M212
Handling Xanthates safely N J212
Prosecutions in China IA J274
Seeking solutions N J389
Zaire tragedy M J375
Soviet mines poisoned M J393
Chinese respond to death toll IA J406
Upgraded mine vehicle fire suppression system M M371
In-shaft accident prevention with CCTV M M371
Large-display CH₄ monitor for continuous miners M M373
Algerian mine flood M J449
Accident at Klamandran IA J454
Soviet mine accident IA J474
R.S.A. accidents M J511

STRATA CONTROL

- Cementitious grout pump for cable bolting M J087
Novel roofbolting adaptor Rock bolts: valuable research findings from Sweden M M397
Cementitious grout pumps for cable bolting M M301

SURVEYING

- Helicopter survey in Yemen S.C. Geological Survey - a growing resource P M086
Long range retro-reflector for mine slope monitoring M M144
In-seam seismic surveys in U.S. coal mines N J192
Digital geological mapping in-seam seismic surveys in U.S. coal mines M M373
Sudbury area geophysical survey IA J434
Tyne-Tees/Angles geochron data IA J515

TAXATION & TARIFFS

- U.S. State taxes M J003
Canadian laws ready M J003
Tax breaks in Indonesia IA J231
U.S. trade law IA J251
Cost reference M J291

TRADE & STATISTICS

- Gold's supply prospects N J010
North America potential M J021
Australian survey M J023
Romanian reorganization IA J037
Albania: sulphuric acid exports IA J037
Chinese ferro-silicon IA J037
Short-changed? N J033
Platinum profile M J043
Credit for Venezuela IA J047
Uruguay opens up IA J047
Vanadium - feast or famine N J050
Metallograph non-ferrous statistics S J052
S.A. cost cuts continue M J055
Japanese steel record M J058
Investment performances M J058
Oman's ophiolite - a metal target N J067
Well-equipped N J069
Welcome the 90s E M005
The World Bank looks at Africa's mining P M008
Manganese A M036
Mining activity in the Western World A M041
China: 1989 non-ferrous metals N J086
Mutual benefits N J091
Coal inquiry M J103
Metals overview in Peru IA J108
West Africa goes investors N J108
Coal trade record M J123
Private gold investment M J123
DBL withdraws from LME trading S J137
Golden targets M J146
Albanian moves IA J148
Iranian figures IA J149
FOX to trade 90 metal index S J158
LME backwardation limits lifted S J169
Advice to LME clients S J169
LME examines futures contracts S J177
Load coverage M J209
Steel output in Latin America IA J213
Metals prices mixed S J218
Japanese reversion S J218
Roskill reports S J219
Chinese news M J227
Gold - act of faith M J254
RTZ in the 1990s IA J274
Mozambique round-up IA J274
Breathing space for Australian coal N J277
Opportunity knocks N J279

1M turnover jumps
S J304
Swick trade
IA J319
Exchange of ideas
N J323
Revolutionary new battery
S J325
Swickland overview
IA J327
MFI forecast
S J342
Mining in China
A M277
Comex products
MF J349
Holding company for STC/MWTC
IA J354
MNTA vary over Eastern bloc
trade
S J387
Europe 1992 - countdown
N J403
A single market
N J405
LME approves U.S. warehouse
locations
S J407
Gold drops
MF J413
The gold loan industry
N J422
Tin's statistical shortfall
N J423
Silicon
A M350
A better balance
A M355
Major new projects and
expansion programmes
(non-gold)
A M357
Solvay salvo
MF J431
Chinese notes
MF J431
Copper underestimated
N J437

No text books
N J439
Mexican trade
NW J450
Good year for Indonesia
N J457
New rhodium record
MF J469
Steam coal shipping markets
NW J491
buoyant
NW J491
Non-ferrous metals in China
IA J495
Uranium production
N J499
Metals prices wobble
S J500
Most expensive pink
IA J515
Mixed signals from Eastern
Europe
N J522
Summer lull for base metals? S J524

TRANSPORT

Bog-Cog* extends cross-
country capability of
all-terrain vehicles
M J154
35 t articulated truck for
quarries
M M142
Condition monitoring
A M194

Versatile utility vehicles
at Mt Isa
M M211
Electric artic truck system
commissioned at Mt Isa
M J338
Tazara copper shipments fall
IA J399
Bog-Cog* extends all-
terrain vehicle
capability
M M375
Electric trolley truck
commissioned at Mt Isa
M M452

TUNNELLING & SHAFT SINKING

Steerable shaft drilling
A M180
New TBM unveiled
M M214
Rapid coal header/roof
bolter under
development
M M301
Largest bore raised in
Zimbabwe completed
M J401

UNDERGROUND MINING

Utility vehicles aid
development work at
Mt Isa
M J008
New electric trolley truck
S J048
Mining activity in the
Western World
A M041
Bidsjovagge - gold/copper
mining in Northern
Norway
A M100
Simultaneous coal heading/
roof bolting machine
development
M J215
Good ideas
E M159
New electric trolley truck
from Wagner
M M210
Versatile utility vehicles
at Mt Isa
M M211
Butte Mining plc's
operations in Montana
A M330
Major new projects and
expansion programmes
(non-gold)
A M357
Kiruna mine today
A M422
Super stopes at Kiruna
A M428

Companies and Other Public Bodies

A

ABA Industry
M J031
Aberdeen Corp.
MF J287
ACM Gold
MF J179
Acorn Securities
MF J261
MF J264
MF J368
Adair-Old
N M378
Africa Development Bank
MF J431
Aikido-Lori Gold Resources
IA J294
Alam Products
N J107
Alcan Aluminium
IA J005
MF J018 MF J073
Alcoa
MF J328 MF J411
IA J454
Alcoa of Australia
MF J179
Algonia Steel Corp.
MF J529
Alumina Brasileira (Albras)
MF J529
Aluminium Bahrain
IA J127
Alusuisse
N M216
Amalloy Corp.
MF J115
AMAX
MF J345
Amax Gold
MF J306
IA J191
American Barrick
MF J178 MF J243
American Mining Congress
N J032
American Pacific Mining
MF J247
Andaluz de Piratas, SA
MF J029
Andean Pact
N M451
Anderson Group
N J315
N M301
Anglesey Mining
IA J045
IA J397
Anglo American Coal Corp.
MF J468
Anglo American Corp.
IA J060
ME J180 IA J316
Anglo American Gold
Investment Co.
ME J260
Anglo Pacific Resources
MF J205
Anglovaal
MF J207
MF J328
MF J346
Ansil Fire Protection
N J215
N M371
Antofacasta Holdings
MF J428
ARA Oy
A M253
ARC American Corp.
MF J098
Ardor
MF J370
Astarco
IA J048
MF J098 IA J127
MF J348 IA J454
Astarco Australia
MF J179
Asea Brown Boveri
MF J448
Ashton Mining
MF J309
MF J408
IA J432
Asian Mineral Resources
Association of Mining
Analysts
N J002
P M238
Atacama Resources
N J107
Atlas Copco
MF J163 M M297
Atlas Corp.
MF J140
Atomic Energy Corp.
MF J199
Aur Resources
MF J054
IA J086
N M J496
Ausmelt Pty.
N J456
Australian Mineral
Industries Research
Association
N J517
Australmin Holdings
MF J141

B

Babcock Contractors Ltd.
M J321
Baker Hughes Australia
M J084
N M211 M J401
Barrick Gold Mines
MF J368
Barrett, Haestjens & Co.
N J107
N M214
Battelle
N J009
Battle Mountain Gold
MF J118
IA J228 MF J288
Bema Gold Corp.
MF J141
Benguet Corp.
IA J433
IA J495
Beral Tin & Wolfram
MF J259
BERG Engineering (Americas)
Inc.
N J192
N M373
BNP Gold Mines
IA J006
BNP Holdings
MF J038
MF J226
BNP-Utah Minerals
IA J106
N M346
Bindura Nickel Corp.
MF J527
Birley Engineering
N J497
Boart UK
M M143
M M452
Boliden
IA J148
MF J428
Boliden Allis
M J232
Boliden Minerals AB
A M252
Bond International Gold
MF J488
Boretec
N M214
Botswana-BST
MF J307
Bougainville Copper
IA J085
MF J307
Bosman Rapid
N J321
N J435
BP Coal
MF J017
BP Resources
IA J472
Breakwater Resources
IA J126
MF J307
MF J082
MF J329
MF J389
M M140
British Gypsum
M J297
British Petroleum
M M214
British Telecommunications
MF J286
Broken Hill Prop.
MF J307
Brunswick Mining and
Smelting
IA J151
Bulk Materials (Coal
Handling) Pty.
M J088
Bull Run Gold
MF J448
Bull Mining
A M530
Callahan Mining
MF J368
A M172
Calpine Resources
MF J119
Cambior
MF J448
MF J017
M J309
Canaikana Resources
IA J451
Cannon Industries
M J478
Copper Pass
IA J229
Carbolite Furnaces
M J435
Carson Consolidated
P M089
Carr Boyd Minerals
MF J309
MF J448
MF M138
Caterpillar
M M377
N J491
CDI (UK) Ltd.
MF J503
Century International
IA J026
Centromin
IA J026
Chamber of Mines of South
Africa
ME J504

Charter Consolidated
MF J258
Christensen Mining Products
M J329
M M371
Cia Brasileira de
Metalurgica e Mineracao
(CBMM)
MF J056
Cia Estanifero do Brasil
(Cesbra)
MF J015
Clayton Equipment
IA J168
Cluff Resources
MF J427
MF J141
Cluff Resources Pacific
IA J454
Codelco
IA J040
IA J317
Cousar d'Alone Mines
MF J179
MF J411
Cogema (Cie Generale de
Materiales Nucleares)
P M223
MF J446
Comalco
MF J179
MF J348
Combol
IA J319
Comico
IA J063
MF J117 IA J170
IA J250
MF J259
N J255
Commodities Research Unit
Communication & Control
Engineering Co. Ltd.
M J088
Compahia Vale do Rio Doce
IA J085
MF J098
MF J981
Continuous Mining Systems
MF J173
Coolgardie Gold
P M401
Coomo PNM Pty
M J155
N M305
Corona Corp.
MF J056
MF J463
MF J506
MF J502
CRA
MF J002
MF J185
IA J294 IA J352
IA J472
Crown Steel
M J131
Crown Mining
M J517
Crown Resources
IA J452
CSE Corp.
M J232
M J275
Cuprifera Cananea
MF J288
Custom Equipment Corp.
M J108
IA J483
Cyprus Minerals
MF J072 IA J086
IA J316
MF J388 MF J470
IA J514
Davy McKee Corp.
M J199
M J382
Davy McKee (Stockton)
M J397
Davy Developments
IA J044
De Beers
MF J022
MF J188 IA J230
MF J190
De Beers Centenary AG
MF J155
Degussa
MF J164
Dezhnev Ltd.
MF J029
Lentson Mines
MF J019
IA J149 IA J213
MF J449
Denver Equipment
M J392
M J497
Denver Mineral Engineers
M M141
M J429
Deter U.K.
M M212
Dow Run Co.
MF J390
Dofasco
MF J388

Domion Mining
MF J368
Drew Industrial Division
N J476
Du Pont
MF J395
Durapipe
M J496
E
Echo Bay Mines
MF J017
MF J370
Elders IXL
MF J527
Ellicott Machine Corp.
M J154
N J517
Engelhard Corp.
MF J184
N M279
English China Clays
MF J141
MF J408 MF J411
Enxet International
IA J190
Entec Industries
A M218
Equinox Resources
IA J107
Equity Silver Mines
IA J432
European Commission
MF J179
European Community
N J174
N J175 IA J273
Exploration Computer
Services
IA J319
M J420
F
Fairbanks Gold
MF J181
Falconbridge
IA J085
FirstMins Gold Inc.
MF J242
Flowline Systems Ltd.
MF J353
Fluor Corp.
MF J162
FMC Gold
MF J119
MF J347
Forsyth
MF J039
Freeport McMoran
MF J145
IA J513
Fritsch GmbH
ME J462
Fuller-Taylor Inc.
M J087
N J085
G
Galactic Resources
MF J448
MF J507
Genco Pumps
M J320
N M453
Genor
MF J221 MF J313
MF J345
Gemin Group
ME J018
N J024 M M138
ME J284
The Geological Survey of
British Columbia
P J044
Gibraltar Mines
MF J488
Glen Co.
IA J493
N M487
Glenora Minerals
M M217
MF J039
Gold Fields Canadian Mining
IA J452
Gold Fields of South Africa
MF J045
Granges
MF J114
Gold Mines of Kalgoorlie
MF J113
GMP International
MF J143
Greenex A/S
MF J420
Gwalia Group
MF J530

H

Hagglunds Denison M J253
 Halifax Tool Co. M J098
 Hainam MW J121
 MF J162 MW J393
 MF J428
 MF J528
 N M080
 Haralischfeger Corp. MF J139
 Necia Mining MF J411
 IA J352
 High Frontier Resources MF J039
 Highlands Gold MF J222
 Hindustan Zinc MF J445
 Hindustan Zinc MF J467
 Hoechst AG M M212
 Hoechst AG Marketing M J065
 Homestake Mining MF J179
 IA J248 MF J365
 Howden Group MF J009
 Hudson Bay Mining and Smelting IA J473
 Huwold M J518

I

Impala Platinum Holdings MW J041
 MF J115 ME J116
 Imperial Metals Corp. IA J004
 Iaco MF J097
 IA J149 MF J231
 Independence Mining MW J528
 Independent Resources MF J141
 Industria Venezolana de Aluminio (Vensalum) M J055
 Infil Bulk Control Systems M J108
 Ingersoll-Rand M J275
 M J517 M J518
 Inspiration Resources M M453
 Intertec Electronics MF J368
 International Labour M J352
 Organization N J134
 International Platinum IA J348
 International Tin Council MF J001
 MF J289
 MF J428
 Ivernia West MF J039

J

Jaba Inc. M J192
 Jacobs Engineering Group M M377
 M J065
 James Clegg Corp. MF J339
 JCB-Boyles M J031
 M J288
 Johannesburg Cons. Investment MF J096
 MF J098 MF J314
 Johnson Matthey MF J368
 IA J378

K

Kali & Sals MF J427
 Kamy Inc. M J275
 M J076
 Kennametal Resources P M320
 Kennecott MF J037
 IA J060
 Kerr Addison MF J138
 Kerr-McGee Chemical IA J085
 Kiruna Truck M J029
 M J173
 Kobe Steel IA J105
 IA J229
 Krebs Engineers M J131
 M M302
 Krupp Widia M J320

L

LAC Minerals MF J119
 IA J168 MF J283
 Larox M J008
 M M216
 La Société Minière Louvem M J008
 Leeds Mineral Services MF J038
 Legand Metallurgical Laboratory M J192
 M M142
 Liebherr Great Britain M M305
 Lindapter M M456
 Lindley Flowtech M M067
 LKAB A M416
 London Metal Exchange S J013
 N J033 S J093
 S J177 S J304
 S J425

Longyear
 Longyear Canada
 Lonrho

M

Macraes Mining MF J484
 Magna Copper IA J026
 IA J086 MF J098
 Malaysia Mining Corp. MF J445
 IA J396
 MAN OHN M M194
 W.G. Mannes & Co. M M144
 Baumaschinen M M065
 M J381
 Masville Corp. MF J246
 Marlow Drilling Services M M300
 Maschinenbau Ulm M M140
 Master Magnets M M065
 Matcon M J172
 M376
 Matplant Process (Pty) M J356
 Maxcon Pacific MF J039
 MCE International M J436
 Meekatharra Minerals MW J083
 Metallgesellschaft IA J085
 MF J222 MF J288
 Metal Market and Exchange Co. MF J310
 Metan Minerals IA J005
 IA J105 MF J119
 Middle Witwatersrand MF J384
 MF J286
 MIM Holdings MF J448
 IA J004
 MF J019 IA J044
 MW J101 M J172
 M J338 M M304
 M J381 MF J390
 MIN Technology Marketing M J172
 A M280
 Mineracao Jacunda MF J054
 Mineracao Morro Velho MF J390
 MF J486
 MF J485
 M J420
 Mine Site Technologies MF J138
 Minnova IA J188
 Minorco MW J209 MF J242
 Minproc A/S MF J411
 Minproc Engineers MF J233
 MF J236
 M J253
 MW J093
 P M324
 MF J310
 IA J105
 IA J316
 Mitsubishi Metal Cement MF J161
 Mitsubishi Metal Corp. MF J140
 Mitsui & Co. M J436
 MolyCorp Inc. MF J287
 Morrison Knudsen MF J140
 Motoren Werke Mannheim AG M J436
 Mount Lyell MF J287
 MRM Products M M144

N

National Mine Services MF J103
 Navan Resources IA J124
 Neumann Equipment M J497
 New Brunswick Electric Power Commission P M241
 Neomet Australia MF J386
 Neomet Gold MF J017
 Neomet Mining MF J037
 MF J078 MF J285
 New Zealand Steel MF J448
 Neyrtec IA J295
 Nitro Nobel M J031
 Noranda MF J184
 MF J117
 IA J228 IA J251
 IA J378 MF J390
 Noranda Exploration IA J024
 IA J273
 Nord Resources MF J244
 MW J289
 Normandy Resources MF J286
 Normet M J233
 Norsk Hydro IA J379
 MF J389 IA J416
 Norphat Platinum MF J095
 MF J390 MF J411
 North Broken Hill Peko MF J179
 Northern Exploration MF J262
 Novaco Aerex M J009
 NSM plc MF J528
 Yanachaq Inc. MF J467

O

Oakbridge MF J119
 OAK Orenstein & Koppel M J009
 M M142
 Odebrecht MF J485
 Oa Tedi MF J368
 Onan Corp. M M139
 Ontario Hydro P M165
 Orion Corp. Normet M J008
 Ormet Corp. IA J454
 Outokumpu IA J061
 IA J151 A M100
 IA J248 IA J378
 MW J449
 MF J503
 M M085
 M J581
 Outokumpu Electronics

P

Parapanama MF J204
 Parings MF J184
 Pasmaco MF J179
 IA J190
 Peabody Holdings MF J428
 Pechnay MF J286
 MF J529
 MF J183
 MF J528
 P-E International MW J091
 Phelps Dodge MW J081
 Pigott Shaft Drilling A M180
 Placer Dome MF J464
 MF J179 IA J228
 MF J222 MW J350
 MF J484
 MF J088
 MF J484
 M J435
 Plateau Mining MF J075
 Platino Resources MF J056
 Poseidon Gold MF J284
 MF J388
 MF J266
 MF J098
 MF J410
 MF J529
 MF J289
 MF J329
 PT International Nickel MF J282
 Indonesia MF J232
 PWH Anlagen & Systeme GmbH M J232

Q

Queensland Metals Corp. P M240
 Ranco Europe Ltd. M J029
 M M215
 Rand Mines MW J314
 MF J465
 MF J232
 M M371
 REI M J321
 M J436
 Reinson Goldfields MF J205
 IA J214 MF J232
 Resource Industry Associates S J048
 M M215
 MF J055
 MF J409
 MF J528
 MF J163
 MF J348
 M J401
 MF J448
 M J087
 M M201
 MF J037
 MF J258
 MF J509
 MF J074
 MF J331
 MF J076

S

Samarcor MF J207
 MF J368
 MF J233
 M J192
 M J45
 MF J261
 MF J482
 MF J289
 MF J467
 M M142
 M J108
 M J252
 Signal Instrument Co.
 Siro Company
 Slope Indicator Co.

Société Générale de Belgique MF J426
 MF J503
 MF J288
 MF J104
 MF J386
 MF J388
 MF J388
 MF J181
 MF J084
 MF J287
 M J087
 M M303

T

Tamrock MW J185
 MF J456
 Tawin Resources IA J316
 Teck Corp. MF J179
 MF J388
 Teledyne Canadian Mining Products S J049
 M M217
 IA J181
 M J386
 MF J384
 MF J456
 MF J228
 P M163
 MF J448

U

Ultra Group M J009
 United Nations M J109
 IA J251
 M J356
 MF J194
 MF J284
 MF J189

V

VER Bergbau- und Hüttenkombinat 'Albert Funk' M J253
 Venterpost MF J018
 Vlakfontein MF J018
 VME Group M J338
 M M452
 M J109
 Voith Engineering

W

Wagner Mining Equipment S J048
 M M210 M J355
 MF J455
 MF J386
 MF J009
 MF J253
 MF J375
 MF J457
 Wenco International Mining Systems M J173
 Wenmec Systems Oy MF J287
 Wessex (UK) plc M J154
 M M375
 P M088
 MF J103
 MF J306
 IA J433
 IA J170
 IA M181
 P M006
 IA J374

Z

Zambia Cons. Copper Mines IA J229
 Zent M J181
 Zimbabwe Mining Development Corp. MF J161